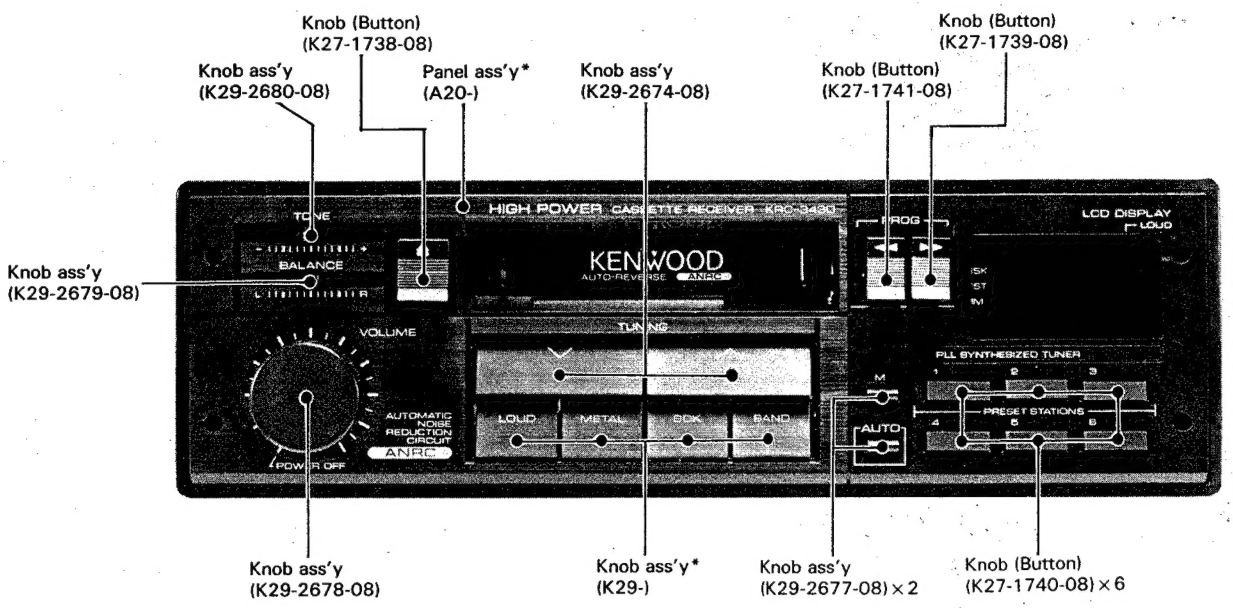
STEREO CASSETTE RECEIVER

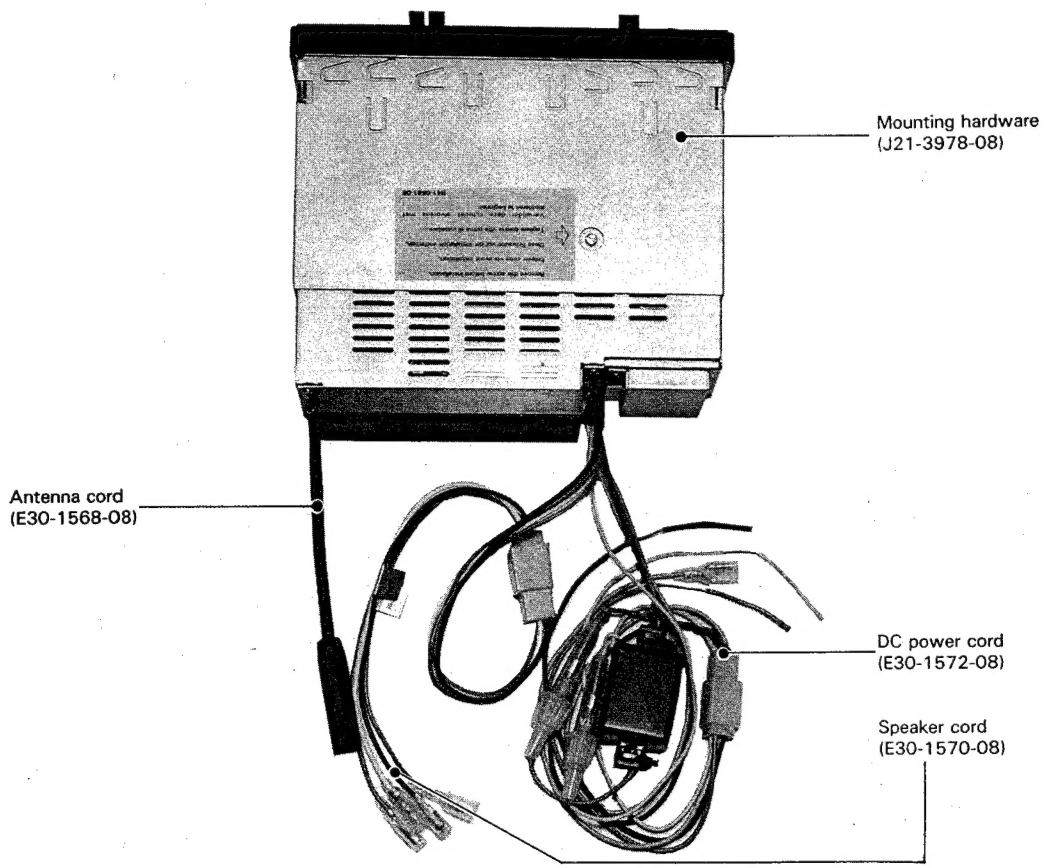
KRC-343D/L/LX

SERVICE MANUAL

KENWOOD

B51-3125-00(T)1314



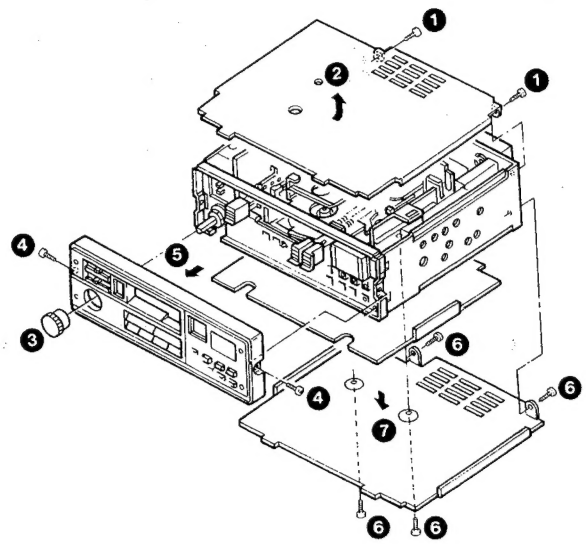


*** Refer to Parts List on page 36.**
Photo is KRC-343D.

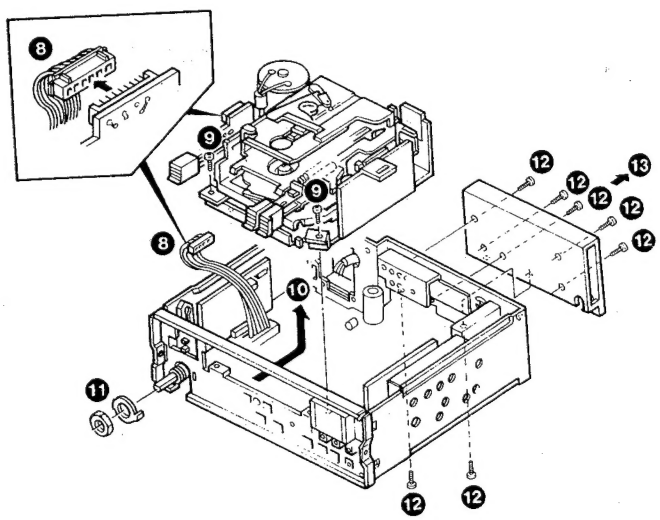
CONTENTS

DISASSEMBLY FOR REPAIR

1. Remove the 2 screws retaining the top cover (❶).
2. Remove the top cover in the direction of the arrow (❷).
3. Remove the volume knob (❸).
4. Remove the 2 screws retaining the front panel (❹).
5. Remove the front panel in the direction of the arrow (❺).
6. Remove the 4 screws retaining the bottom cover (❻).
7. Remove the bottom cover in the direction of the arrow (❼).

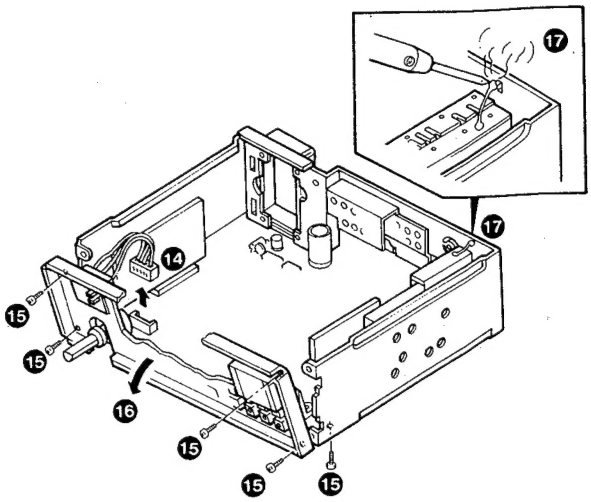


8. Extract the connector of the Synthesizer unit to the Cassette mechanism ass'y (D40-0319-25) (❽).
9. Remove the 2 screws retaining the Cassette mechanism ass'y (❾).
10. Remove the Cassette mechanism ass'y in the direction of the arrow (❿).
11. Remove the volume nut and metallic parts (⓫).
12. Remove the 7 screws retaining the heat sink (5 on the rear, 2 screws from the bottom) (⓬).
13. Remove the heat sink in the direction of the arrow (⓭).

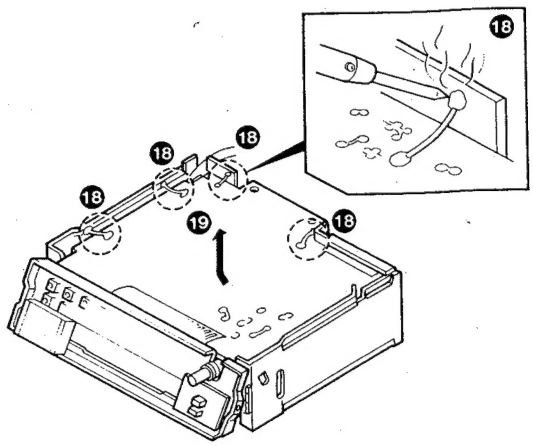


DISASSEMBLY FOR REPAIR

14. Extract the connector of the Control unit to the Synthesizer unit (⓮).
15. Remove the 5 screws retaining the sub-chassis (⓯).
16. Remove the sub-chassis in the direction of the arrow (⓰).
17. Desolder the jamper wire connecting the AM front end and the main chassis (⓱).



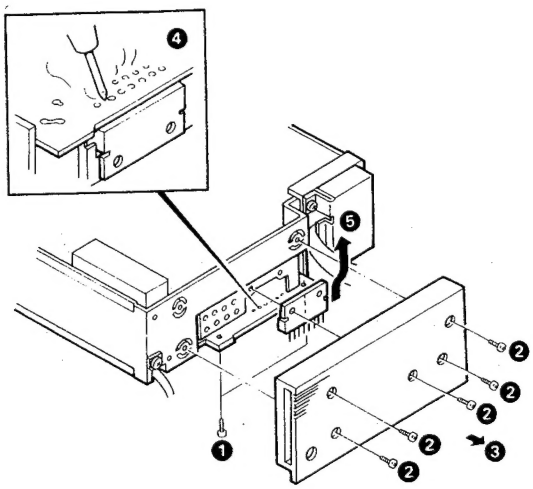
18. Desolder the 4 jamper wires connecting the Synthesizer unit and the main chassis (⓲).
19. Remove the Synthesizer unit in the direction of the arrow (⓳).



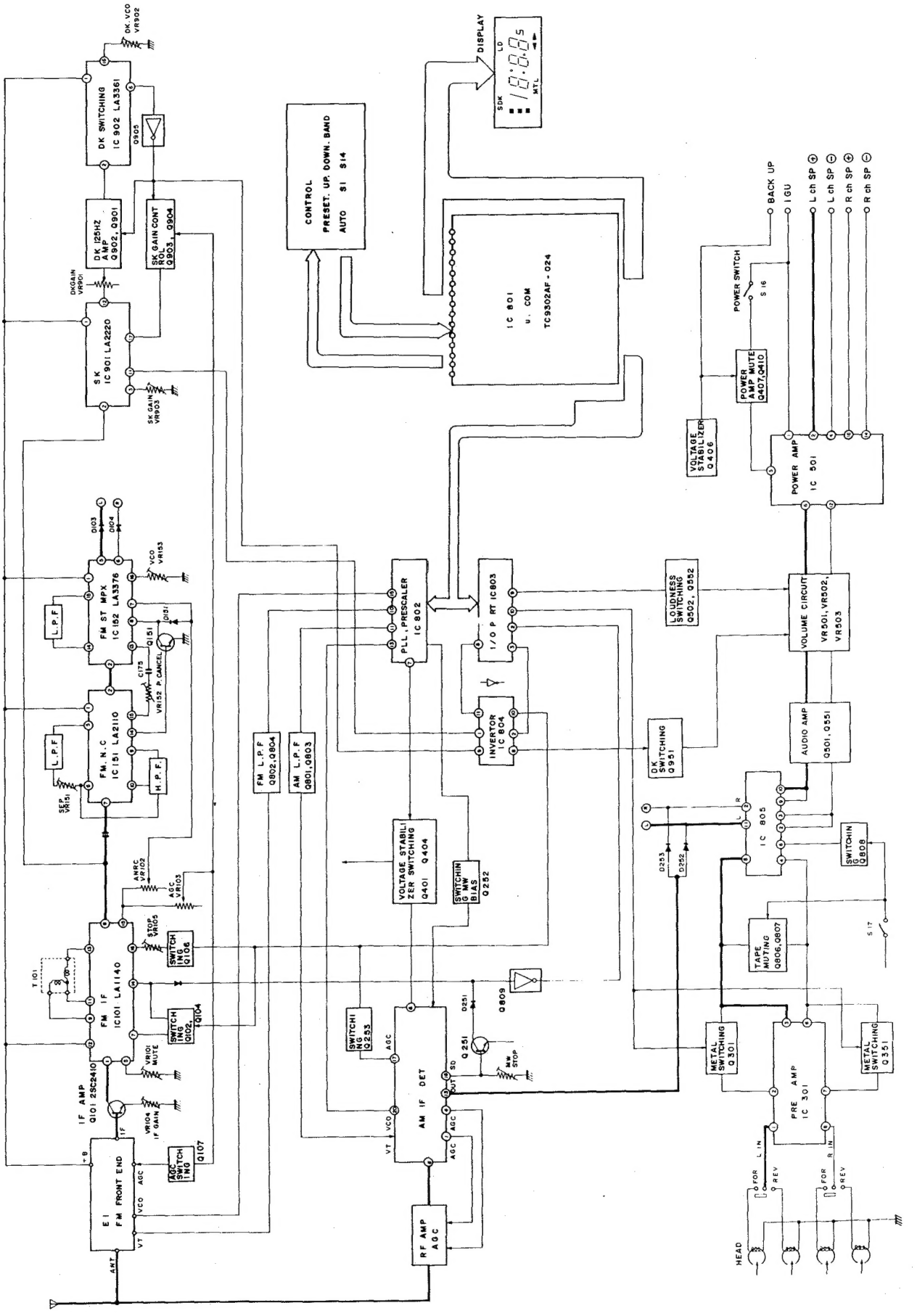
Removing the Power IC (AN7171K)

Before removing the Power IC, remove the top cover and the bottom cover in the sequence of disassembly.

1. Remove the 2 screws retaining the Main unit to the heat sink (❶).
2. Remove the 5 screws retaining the heat sink (❷).
3. Remove the heat sink in the direction of the arrow (❸).
4. Resolder the Power IC from the Main unit (❹).
5. Remove the Power IC in the direction of the arrow (❺).



BLOCK DIAGRAM



CIRCUIT DESCRIPTION

Function of components

Control unit

Components	Use/Function	Operation/Condition/Interchangeability
Q101	IF Amp	FM 10.7 MHz IF amp.
Q102	Switching Transistor	ON during FM reception: $V_{G\text{-}S} = 0$ V, OFF during FM seek: $V_{G\text{-}S} = 5$ V.
Q103	Switching Transistor (SK light level control)	ON when ANT input of 17 dBμ: $V_{C\text{-}E} = 0$ V.
Q104	Switching Transistor	ON during FM reception: $V_{G\text{-}S} = 0$ V, OFF during FM seek: $V_{G\text{-}S} = 5$ V.
Q105	Switching Transistor (for prevention of mis-indication of ST)	Prevents the ST indicator from lighting momentarily when the power is turned ON.
Q106	Switching Transistor (for FM stop sense setup)	OFF during FM reception: $V_{B\text{-}E} = 0$ V, ON during seeking $V_{B\text{-}E} = 5$ V.
Q107	Switching Transistor (FM front-end, AGC)	Controls the front-end AGC voltage with the ANT input.
Q251	Switching Transistor (for MW stop sense setup)	OFF during MW seeking: $V_{C\text{-}E} = 3.5$ V, ON in the stop mode: $V_{C\text{-}E} = 0$ V.
Q252	Switching Transistor (MW/LW select)	ON in MW mode: $V_{B\text{-}E} = 0.6$ V, OFF in LW mode: $V_{B\text{-}E} = 0$ V, $V_{C\text{-}E} = 0$ V.
Q253	Switching Transistor (MW/LW, AGC)	OFF during MW/LW reception: $V_{B\text{-}E} = 0$ V, ON during seeking: $V_{B\text{-}E} = 0.6$ V.
Q254	Switching Transistor (for LW stop sense setup)	OFF in LW mode: $V_{B\text{-}E} = 0$ V, ON in MW mode: $V_{B\text{-}E} = 5$ V. Q251 switching level select.
Q401	Switching Transistor (AM power supply)	ON in MW/LW mode: $V_e = 8.5$ V, OFF in FM mode: $V_e = 0$ V.
Q402	Switching Transistor (FM power supply)	ON in FM mode: $V_e = 9.0$ V, OFF in MW/LW mode: $V_e = 0$ V.
Q403	Stabilizer (Radio power supply)	Radio power supply: 9.2 V.
Q404	Switching Transistor (AM-FM power supply select)	ON in FM mode: $V_{B\text{-}E} = 0.6$ V, $V_{C\text{-}E} = 0$ V, OFF in MW/LW mode.
Q405	Switching Transistor (Indicator)	ON when the power switch is turned ON: $V_{B\text{-}E} = 0.6$ V (The indicator lights).
Q406	Stabilizer (C MOS VDD supply)	C MOS power supply: 5.0 V.
Q407	Mute (IC501 Muting)	OFF when the power switch is turned OFF: $V_{C\text{-}E} = 14$ V. When the power switch is turned ON: $V_{C\text{-}E} = 0$ V.
Q408	Switching Transistor	
Q409	Switching Transistor	
Q410	Switching Transistor	ON when backup is connected (IC501 does not function when backup is not connected).
Q501	Audio Amp	L-ch audio amp.
Q502	Switching Transistor (Loudness)	OFF when Loudness SW is turned OFF: $V_{B\text{-}C} = 0$ V (L-ch), ON when Loudness SW is turned ON: $V_{B\text{-}C} = 0.6$ V.
Q551	Audio Amp	R-ch audio amp.
Q552	Switching Transistor (Loudness)	OFF when Loudness SW is turned OFF: $V_{B\text{-}C} = 0$ V (R-ch), ON when Loudness SW is turned ON: $V_{B\text{-}C} = 0.6$ V.
Q801, 803	MW/LW Low Pass Filter	MW/LW tuning voltage set. Q801 $V_e \fallingdotseq$ approx. 1.4 — 8.0 V (f min ~ f max).
Q802, 804	FM Low Pass Filter	FM tuning voltage set. Q802 $V_e \fallingdotseq$ approx. 1.0 — 9.0 V (f min ~ f max).
Q806	Muting	Tape audio muting, ON in the tape FF/REW mode.
Q807	Muting	Tape audio muting, ON in the tape FF/REW mode.
Q808	Switching Transistor	ON in the tape FF/REW mode (Voltage of pin 5/6 of IC805: 1.0 V).
Q809	Switching Transistor (Stop signal inverter)	For inverting the stop signal (H to L).
Q951	Switching Transistor (for DK VR MIN OUT setup)	OFF when interrupted by DK, $V_{B\text{-}C} = 0$ V.
IC101	FM IF Detector IC	10.7 MHz IF amp, quadrature detector.
IC501	Audio Power Amp	2-ch, BTL 13 W × 2/4 Ω.
IC801	Microcomputer	4-bit microcomputer, system controller, LCD driver.
IC802	CMOS PLL	PLL Pre-scaler.
IC803	CMOS IN/OUT	I/O port expansion interface.
IC804	CMOS Inverter, 6 Circuits	For inverting from H to L of Mute, SDK and SK.
IC805	CMOS Quad. Bilateral Switch	TAPE/RADIO audio signal select.

CIRCUIT DESCRIPTION

MW/LW unit

Components	Use/Function	Operation/Condition/Interchangeability
Q202	Switching Transistor (ANT dumping)	Switches ANT dumping by the RF AGC (IC201 pin 4) when strong signal is input.
Q203	RF Amp	ANT input (RF) amp.
Q205	RF Amp	ANT input (RF) amp.
Q206	Switching Transistor (MW/LW oscillator select)	ON in the MW mode: $V_{B\text{-}C} = 0.6$ V, MW/LW select of the local oscillator.
Q207	Switching Transistor (Q206 driver)	ON in the LW mode: $V_{B\text{-}C} = 0.6$ V.
Q208	Switching Transistor (ANT coil)	ON in the MW mode, MW/LW select of the ANT tuning circuit.
IC201	AM Tuner System	Mixer, oscillator, IF amp, detector.

MPX unit

Components	Use/Function	Operation/Condition/Interchangeability
Q151	Switching Transistor (Multipath, ANRC)	On when AM pulse noise is input (controls stereo separation).
Q152	Switching Transistor (ANRC)	Selects the time constant of the ANRC (separation, high-cut) circuit against sudden change of the ANT input.
IC151	FM Noise Canceller	Cancels pulsive noise.
IC152	FM PLL MPX	Pilot singal canceller, stereo noise controller, high-cut controller.

Pre-amp unit

Components	Use/Function	Operation/Condition/Interchangeability
Q301	Switching Transistor (Equalizer select)	Selects the time constant of equalizer. ON when MTL SW is ON (75 μsec). OFF when MTL SW is OFF (120 μsec).
Q351	Switching Transistor (Equalizer select)	Selects the time constant of equalizer. ON when MTL SW is ON (75 μsec). OFF when MTL SW is OFF (120 μsec).
IC301	Two Channel Pre-amp IC	Head amp with equalizer.

SDK unit

Components	Use/Function	Operation/Condition/Interchangeability
Q901	Switching Transistor (DK Amp Gain)	Selects the gain of the DK signal amp of Q902. ON when LA3361 is locked by the 125 Hz DK signal input: $V_{B\text{-}C} = 0.6$ V.
Q902	DK Signal Amp (125 Hz)	DK signal amp with low pass filter of 125 Hz.
Q903	Switching Transistor (SK indicator level control)	Lowers the level of the SK indicator during seeking or when a weak signal is input, OFF: $V_{B\text{-}C} = 0$ V, ON when DK is locked: $V_{B\text{-}C\text{-}} = 2.0$ V.
Q904	Switching Transistor (for Q903 drive)	Inverter circuit for driving Q903, ON during seeking or when a weak signal is input: $V_{B\text{-}C} = 2.4$ V.
Q905	Switching Transistor (DK lock)	Outputs the H signal when DK is locked. OFF when DK is locked: $V_C = 7.8$ V.
IC901	Traffic Decoder (SK) IC	Indicates SK when the SK + BK signal is input. Outputs the DK signal by detecting the 57 kHz AM signal.
IC902	PLL IC for FM MPX	Locks when the DK (125 Hz) signal is input. Used to select the Radio-Tape audio signal.

CIRCUIT DESCRIPTION

Tuner microprocessor IC: TC9302AF-024

• Outline of System

A high-performance digital tuning system can be set up by combining the TC9302AF-024 with the TC9172P LSI IC and TC9173P Interface IC. With the FM/MW/LW 3-band reception and traffic information station search capability, this system is ideal for use in high-performance car radio systems.

• Receiving Bands

Area	E1		Receiving Frequencies (Hz)	Step (Hz) Auto	Step (Hz) Manual	Fref (Hz)	IF (Hz)	Remark
EUROPE	0	FM	87.5~108.8 M	50k	25/50k	25k	+10.7M	Use of FM band can be selected or cancelled. Use of LW band can be selected or cancelled. IF of MW/LW bands can be selected.
		MW	531~1602 k	9k	9k	9k	+450k/	
		LW	153~281 k	9k	1k	1k	+468k	
S-AFRICA	1	FM	87.5~108.0 M	50k	25/50k	25k	−10.7M	
		MW	531~1602 k	9k	9k	9k	+450k/	
		LW	153~281 k	9k	1k	1k	+468k	

* In LW auto-tuning, frequencies are scanned in increments or decrements of 9.

• Functions

Tuning function

Manual (UP/DOWN) tuning
Auto (UP/DOWN) seek-tuning
SDK auto-tuning

Memory function

6 stations in each of FM/MW/LW

Selectable IF for MW/LW bands

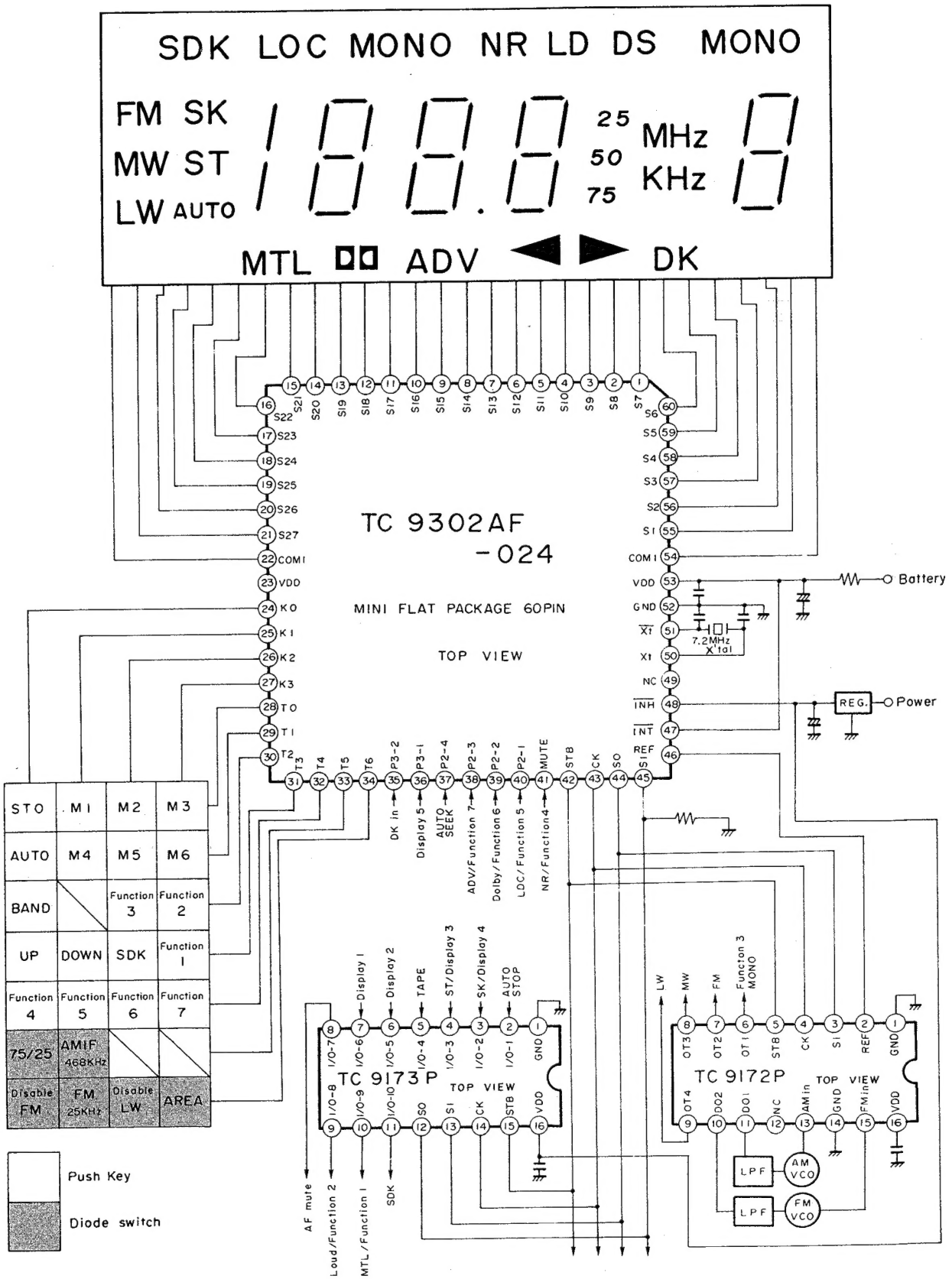
450 kHz/468 kHz selectable

Others

Function switching
Versatile display
1/2-duty, 54-segment LCD display

CIRCUIT DESCRIPTION

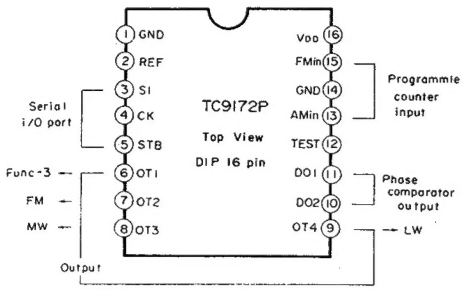
Port assignment diagram for TC9302AF-024



CIRCUIT DESCRIPTION

Digital Tuning System

TC9172P outline

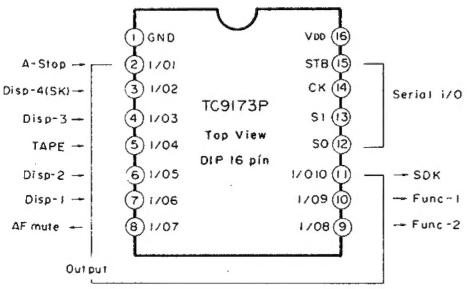


* FUNC-3, FM, MW and LW are high-active.

TC9172P I/O port

Port	No.	Name	Function	Active	Initial setting
OT1	06	F3 FM radio	MONO output	H	L
OT2	07	FM	Band output	H	H
OT3	08	MW	Band output	H	L
OT4	09	LW	Band output	H	L

TC9173P outline



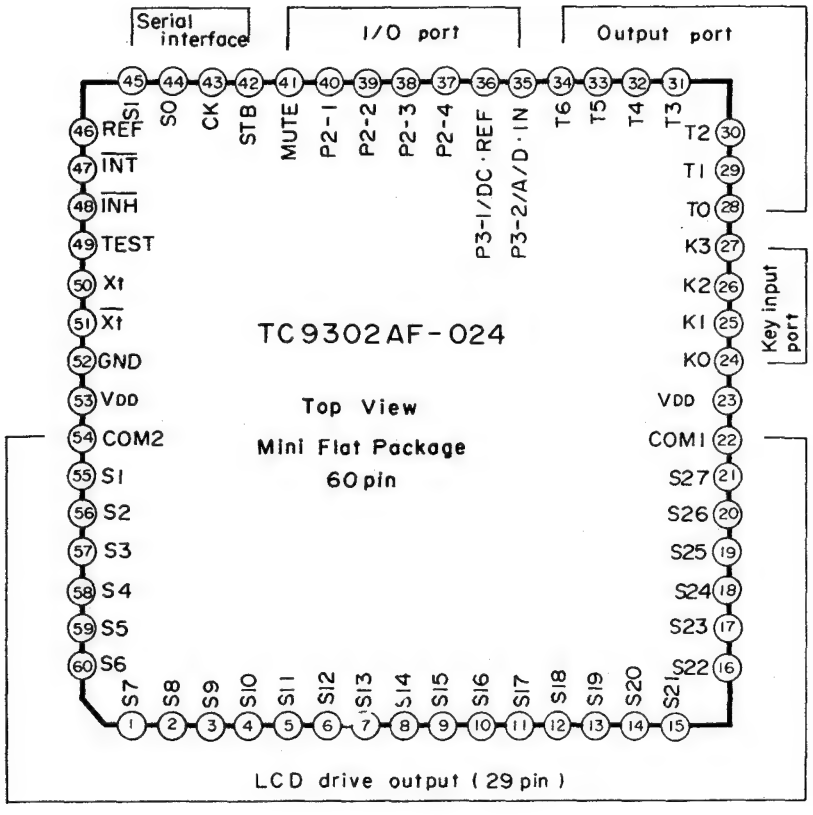
* All inputs and outputs are high-active.

TC9173P I/O port

Port	No.	Name	Function	Active	Initial setting
I/O-1	02	Auto stop	Stop signal input	H	—
I/O-2	03	SK	Display & SK input	H	—
I/O-3	04	Display-3	Display input	H	—
I/O-4	05	TAPE	TAPE input	H	—
I/O-5	06	Display-2	Display input	H	—
I/O-6	07	Display-1	Display input	H	—
I/O-7	08	AF mute	Mute output	H	H
I/O-8	09	F2 Radio & Tape	Loud output	H	L
I/O-9	10	F1 Tape	METAL output	H	L
I/O-10	11	SDK	SDK mode output	H	L

CIRCUIT DESCRIPTION

TC9302AF-024 outline



TC9302AF-024 I/O port

Port	No.	Name	Function	Active	Initial setting
MUTE	41	F4 Radio & Tape	NR output	H	L
P2-1	40	F5 Radio	LOCAL output	H	L
P2-2	39	F6 Tape	Dolby output	H	L
P2-3	38	F7 Tape	APS output	H	L
P2-4	37	Auto-SEEK	SEEK output	H	L
P3-1	36	Display-5	Display input	H	—
P3-2	35	DKin	TAPE MUTE input	H	—

CIRCUIT DESCRIPTION

TC9302AF-024 key map

Label

	K3	K2	K1	K0	
T6	AREA	Enable LW	FM 25kHz	Disable FM	T6
T5			AM IF 468kHz	75/25 (kHz)	T5
T4	F7 ADV	F6 Dolby	F5 LOC	F4 NR	T4
T3	F1 METAL	SDK	DOWN	UP	T3
T2	F2 Loud	F3 Mono		BAND	T2
T1	M6	M5	M4	AUTO	T1
T0	M3	M2	M1	STO	T0
	K3	K2	K1	K0	

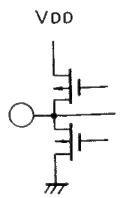
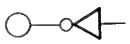
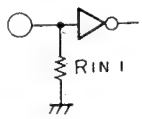
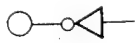
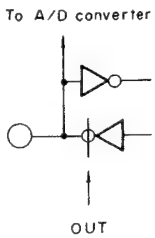
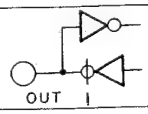
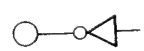
Function

	K3	K2	K1	K0	
T6	South-Africa ↑ Europe	FM&MW ↑ FM&MW&LW	FM 50kHz step ↑ FM 25kHz step	MW&(LW) ↑ FM&MW&(LW)	T6
T5			AM IF 468kHz ↑ AM IF 450kHz	75, 50, 25 ↑ 50 (kHz)	T5
T4	Tape F7 Function ADV	Tape F6 Function Dolby	Radio F5 Function LOC	R & T F4 Function NR	T4
T3	Tape F1 Function MTL	SDK SDK Mode	Down DOWN Scan	Up UP Scan	T3
T2	T & R F2 Function Loud	FM F3 Function Mono		Band BAND Change	T2
T1	Preset M6 Memory	Preset M5 Memory	Preset M4 Memory	Tuning AUTO Mode	T1
T0	Preset M3 Memory	Preset M2 Memory	Preset M1 Memory	Store STO Mode	T0
	K3	K2	K1	K0	

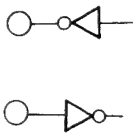
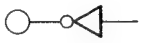
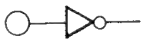
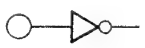
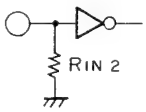
Function Setting Matrix

Symbol	Function
AREA	Area specification. 0: Europe (FM IF = + 10.7M) 1: South Africa (FM IF = – 10.7M)
Disable LW	Selection of use of LW band. 0: LW used 1: LW not used
25k/50k	Selection of FM band tuning steps. 0: 25 kHz steps 1: 50 kHz steps In auto-search/tuning, frequencies are scanned in 50 kHz steps even when 25 kHz step scanning has been selected.
Disable FM	Selection of use of FM band. 0: FM used 1: FM not used
AM IF 468 kHz	Selection of MW/LW IF offset frequency. 0: 450 kHz 1: 468 kHz
75/25	Selection of FM frequency display increment. 0: Only 50 kHz is displayed (at 50 and 75 kHz). 1: 25 kHz, 50 kHz and 75 kHz are displayed.
STO	Used for selection of preset memory storage mode.
M1 ~ M6	Used for preset memory storage and recall. 6 memory stations for each of FM, MW and LW.
AUTO	Switches the tuning mode to cyclic.
BAND	Switches the band to cyclic.
F3	Performs function operation only during FM reception. (Mono)
F2	Performs function operation regardless of TAPE operation or radio reception mode. (Loud)
UP DOWN	UP/DOWN in the tuning mode selected by AUTO key.
SDK	Switches the band to FM and performs SDK auto-tuning regardless of TAPE operation or radio reception mode in any band.
F1	Performs function operation only during TAPE operation. (METAL)
F4	Performs function operation regardless of radio reception or TAPE operation mode. (NR)
F5	Performs function operation only during radio reception. (LOC)
F6	Performs function operation only during TAPE operation. (Dolby)
F7	Performs function operation only during TAPE operation. (T-ADV)

CIRCUIT DESCRIPTION

Pin No.	Symbol	Pin Name	Function & Operation	Remark
22 54	COM1 COM2	LCD common output	Common signal output terminals for LCD. Using the matrix from S1 to S27, up to 54-segment display is possible. These terminals output a 3-level output consisting of VDD, 1/2 VDD and GND in 5 ms intervals, at a frequency of 50 Hz. **Note: During system resetting and CKSTP command execution, the output is fixed automatically at "L".**	
55 ~ 60 1 ~ 21	S1 ~ S6 S7 ~ S27	LCD segment output	Segment signal output terminals for LCD. Using the matrix of COM1 and COM2 up to 54-segment display is possible. Data are output to these terminals by execution of SEG command (COM1 system) and MARK command (COM2 system). For segment decoding, the decoding pattern can be created in the ROM area and executed using the DAL command. **Note: During system resetting and CKSTP command execution, the output is fixed automatically at "L".**	
24 ~ 27	K0 ~ K3	Key input port	4-bit input port for key matrix input. Data of these terminals are latched in the RAM by executing the KEY command in which these ports are specified in the operand. Each terminal incorporates a pull-down resistor. For key return timing signal output, output ports T0 to T6 are used normally.	
28 ~ 34	T0 ~ T6	Key timing output port	4-bit (T0 to T3) or 3-bit (T4 to T6) output port. Normally used for the key return timing signal output of the key matrix.	
35 36	P3-2 /A/D·IN P3-1 /DC·REF	I/O port 3 A-D /Analog voltage input /Reference voltage input	3-bit I/O port. This port is capable of specifying input or output for each bit. The specification depend on the content of the internal port called PORT-3 I/O CONTROL. These terminals are also used for analog inputs of the 4-bit A/D converter. The switching for A/D converter input is also performed depending on the content of PORT-3 I/O CONTROL port. The internal A/D converter uses a programmed sequential comparison method, in which P3-1 is the reference voltage input and P3-2 is the analog comparison voltage input.	
37 ~ 40	P2-4 ~ P2-1	I/O port 2	4-bit I/O port. This port is capable of specifying input or output for each bit. The specifications depend on the content of the internal port called PORT-2 I/O CONTROL.	
41	MUTE	Muting signal output port	1-bit output port. Normally used for muting control signal output. **Note: When $\overline{\text{INH}}$ output varies from "H" to "L" or vice versa, the output is set automatically to "H".**	

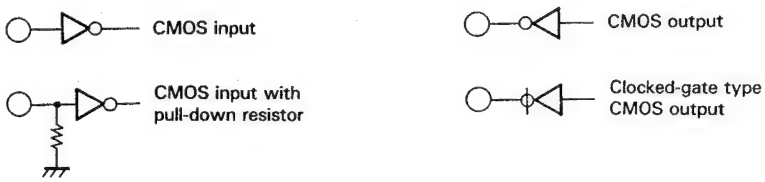
CIRCUIT DESCRIPTION

Pin No.	Symbol	Pin Name	Function & Operation	Remark
42 43 44 45	STB CK SO SI	Strobe pulse output Serial clock output Serial data output Serial data input	Serial interface terminals. The serial interface performs powerful control over the external PLL LSI and optional peripheral ICs by executing the SIO commands. The $\overline{NCD}$ or NCD serial transfer mode can be selected by the programme.	
46	REF	Reference frequency signal output	Output terminal for reference frequency signal supplied to PLL LSI. One of eight reference frequencies, 1 kHz, 5 kHz, 9 kHz, 10 kHz, 12.5 kHz, 25 kHz, 50 kHz or 100 kHz, can be selected by the programme. **Note: When $\overline{INH}$ input is "L", the output is fixed automatically to "L".**	
47	$\overline{INT}$	Initialise input	System reset signal input terminal of the device. The system is reset while $\overline{INT}$ is "L" level. When the level turns "H", the programme starts from address 0. This terminal is fixed at "H" level, because the system is normally reset when voltage from 0 V to 4.5 V is supplied to V_{DD} (power-on reset). **Note: After system resetting, the I/O port is set for the input mode. Meanwhile, as the output status of the output port is not determined, it shall be initialised by the programme as required.**	
48	$\overline{INH}$	Inhibit input	Radio mode select signal input port. Radio mode on is judged with "H" level and radio mode off is judged with "L" level. When this terminal is "L" level, the REF output is fixed automatically at "L" level. When the CKSTP command is used in the programme and when the CKSTP command is executed while $\overline{INH}$ is "L" level, the internal clock generator and CPU stops operation and the unit enters the memory backup status with low current consumption (less than 1 μA). At this time, all output terminals (display outputs, output port, etc.) are set automatically to "L" level. **Note: The CKSTP command is valid when $\overline{INH}$ is "L" level. If it is executed when $\overline{INH}$ is "H" level, it operates the same as the NOOP command.**	
49	TEST	Test mode control input	Test mode control input terminal. The test mode starts when "H" level is input, and operation is in the normal mode when the input is "L" level or in the NC status. This terminal incorporates a pull-down resistor, and normally fixed at the NC status of "L" level. In the test mode, the device functions as the evaluator chip so that, by combining an external simulation board, the programme evaluation on the EPROM basis is available.	

CIRCUIT DESCRIPTION

Pin No.	Symbol	Pin Name	Function & Operation	Remark
50 51	X_T $\overline{X_T}$	X'tal oscillator terminals	X'tal oscillator connection terminals. Connect a 7.2 MHz crystal oscillator. The oscillation is stopped automatically when the CKSTP command is executed.	—
52	GND	Grounding terminal	Device grounding terminal.	—
23 53	V_{DD}	Power supply terminals	Device power supply terminals. A voltage of 5 V ±10% is applied during normal operation. In the backup mode (when CKSTP command is executed), the voltage can be decreased down to 2 V. When voltages from 0 V to 4.5 V are applied to these terminals, the device is system-reset and the programme starts from address 0 (power-on reset). **Note 1: Power-on resetting shall be started while $\overline{INH}$ is "L" level.** **Note 2: The contents of the ports (output port, internal port, etc.) are not determined when power is turned on. Therefore, they shall be initialised be the programme as required.**	—

(Supplement)



ADJUSTMENT

Set the controls and switches as follows.
SDK :OFF METAL :OFF LOUD :OFF AUTO :OFF
BALANCE :CENTER TONE :H

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	RECEIVER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION							
1	IF GAIN	(A) 98.0MHz 0 dev 40dBμV(ANT input)	Connect an osilloscope between pin 1 of IC101 and GND.	98.0MHz	VR104	25mV P P	(a)
2	DISCRIMINATOR	(A) 98.0MHz 1kHz,±40kHz dev 60dBμV(ANT input)	Connect a DC voltmeter between pin 7 and pin 13 of IC101. (Oscilloscope: DC 50 mV range)	98.0MHz	T101	0 V	(b)
3	MUTING LEVEL	(A) 98.0MHz 1kHz,±40kHz dev 60dBμV→No input	(B)	98.0MHz	VR101	Output Noise level -25dB (When not add any signal to ANT terminal)	
4	AGC	(A) 98.0MHz 1kHz,±40kHz dev 60dBμV(ANT input)	Connect a DC voltmeter to the front end AGC terminal (collector of Q107).	98.0MHz	VR103	3.8V (Coarse adjustment for the KRC 343D)	(c)
5	AUTO STOP	(A) 98.0MHz 1kHz,±40kHz dev 20dBμV(ANT input)	Connect pin 8 of IC803(TC9173P) to the GND. Connect a DC voltmeter to pin 2 of IC803.	98.0MHz	VR105	3.0V	(d)
6	MPX VCO	(A) 98.0MHz 0 dev 60dBμV(ANT input)	Connect the 330 kΩ resistor to TP153 and connect a frequency counter to the resistor via an AC voltmeter.	98.0MHz	VR153	76,000k	(e)
7	PILOT CANCELLER	(C) 98.0MHz 0 dev Pilot:±6kHz dev 60dBμV(ANT input)	(B)	98.0MHz (STEREO MODE)	VR152 (Adjust VR102 coarsely so that the TP. ANRC voltage is around 2.3 V.)	Minimum output	
8	SEPARATION	(C) 98.0MHz 1kHz,±40kHz dev Selector:L or R Pilot:±6kHz dev 60dBμV(ANT input)	(B)	98.0MHz (STEREO MODE)	VR151	Adjust it so that the crosstalk from L to R and R to L become minimum.	
9	ANRC	(C) 98.0MHz 1kHz,±40kHz dev Selector:L or R Pilot:±6kHz dev 30dBμV(ANT input)	(B)	98.0MHz (STEREO MODE)	VR102	Level difference between L and R : 9 dB.	
SDK SECTION							
10	DK VCO	(E) 98.0MHz SK+BK input 60dBμV(ANT input)	Connect a frequency counter to pin 12 of IC902.	98.0MHz SDK SW:ON	VR901	125Hz	(f)
11	SK GAIN	(E) 98.0MHz SK SIG input 60dBμV(ANT input)	Connect an AC voltmeter to pin 9 of IC901.	98.0MHz SDK SW:OFF	VR903	100mV	(g)
12	DK GAIN	(E) 98.0MHz SK+DK input 60dBμV(ANT input)	Connect an AC voltmeter to pin 2 of IC902.	98.0MHz SDK SW:OFF	VR902	17mV	(h)
13	SK INDICATOR LEVEL	(E) 98.0MHz SK+BK input 17dBμV(ANT input)	Connect a DC voltmeter to the collector of Q103.	98.0MHz SDK SW:OFF	VR103	0 V	(i)
14	DK LEVEL	(E) 98.0MHz SK+BK+DK input 60dBμV(ANT input)	(B)	98.0MHz SDK SW:ON VOLUME:MINIMUM	VR951	400mV. RMS	

ADJUSTMENT

Set the controls and switches as follows.
SDK :OFF METAL :OFF LOUD :OFF AUTO :OFF
BALANCE :CENTER TONE :H

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	RECEIVER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
MW/LW SECTION							
(1)	BAND EDGE (MW)(1)	–	Connect a DC voltmeter between the VT terminal (+ side of C805) of the MW/LW tuner ass'y and GND.	531kHz	T205	1.4V	(j)
(2)	BAND EDGE (MW)(2)	–		1602kHz	TC203	8.0V	
Repeat alignment (1) and (2) several times.							
(3)	IFT	(D) 531kHz 400Hz,30%mod 30dBμV(ANT input)※	(B)	531kHz	T207,208	Maximum amplitude and symmetry of the oscilloscope display.	
(4)	RF ALIGNMENT (1)	(D) 603kHz 400Hz,30%mod 30dBμV(ANT input)※	(B)	603kHz	T201,203	Maximum amplitude and symmetey of the oscilloscope display.	
(5)	RF ALIGNMENT (2)	(D) 1404kHz 400Hz,30%mod 30dBμV(ANT input)※	(B)	1404kHz	TC202	Maximum amplitude and symmetry of the oscilloscope display.	
Repeat alignment (4) and (5) several times.							
(6)	BAND EDGE (LW)	–	Connect a DC voltmeter between the VT terminal (+ side of C805) of the MW/LW tuner ass'y and GND.	155kHz	T206	1.8V	(j)
(7)	RF ALIGNMENT (LW)	(D) 216kHz 400Hz,30%mod 35dBμV(ANT input)※	(B)	216kHz	T202,204	Maximum amplitude and symmetry of the oscolloscope display.	
(8)	AUTO SEEK STOP SENS	(D) 999kHz 400Hz,30%mod	Connect pin 8 of IC803 to GND and connect a DC voltmeter between pin 2 of IC803 and GND.	999kHz	VR251	3 V	(k)
CASSETTE DECK SECTION							
(1)	AZIMUTH	MTT-216 (10kHz)	(B)	TAPE PLAY	Head Azimuth Screw	Adjust so that the output levels of the forward and reverse left and right channels are all maximum and identical.	

※: When the sensitivity is low and the adjustment is difficult to perform, rais the level of the ANT input as necessary. However, the adjustment shoud be performed with the input level at which the AGC circuit does not function.

REGLAGES

Régler les controles et les boutons comme suit.
SDK :OFF METAL :OFF LOUD :OFF AUTO :OFF
BALANCE :CENTER TONE :H

N°	ITEM	REGLAGE DE L'ENTREE	REGLAGE DE LA SORTIE	REGLAGE DU TUNER	POINTS DE L'ALIGNEMENT	ALIGNER POUR	FIG.
SECTION MF							
1	GAIN FI	(A) 98.0MHz 0 dév 40dBμV(Entrée ANT)	Raccorder un oscilloscope entre la broche 1 de IC101 et GND.	98.0MHz	VR104	25mV P-P	(a)
2	DISCRIMINATEUR	(A) 98.0MHz 1kHz, 40kHz dév 60dBμV(Entrée ANT)	Raccorder un voltmètre CC entre la broche 7 et la broche 13 de IC101. (Gamme CC 50mV)	98.0MHz	T101	0 V	(b)
3	NIVEAU DE SILENCIEUX	(A) 98.0MHz 1kHz, ±40kHz dév 60dBμV→Entrée No	(B)	98.0MHz	VR101	Buit de niveau de sortie -25dB (Sous non correspondance d'antenne.)	
4	CAG	(A) 98.0MHz 1kHz, ±40kHz dév 60dBμV(Entrée ANT)	Raccorder un voltmètre CC à la broche du CAG de contrôle (collecteur de Q107).	98.0MHz	VR103	3.8V (R glage approximatif pour le KRC-343D)	(c)
5	ARRET AUTOMATIQUE	(A) 98.0MHz 1kHz, ±40kHz dév 20dBμV(Entrée ANT)	Raccorder la broche 8 de IC803 (TC9173P) la broche (-). Raccorder un voltmètre CC à la broche 2 de IC803.	98.0MHz	VR105	3.0V	(d)
6	MPX VCO	(A) 98.0MHz 0 dév 60dBμV(Entrée ANT)	Raccorder la résistance 330kΩ à TP153 et raccorder un compteur de fréquence à la résistance via un voltmètre CA.	98.0MHz	VR153	76.000kHz	(e)
7	ANNULATION DE PILOTE	(C) 98.0MHz 0 dév Pilot:±6kHz dév 60dBμV(Entrée ANT)	(B)	98.0MHz (mode stéréo)	VR152 (Ajuster VR102 grossièrement pour que la tension TP. ANRC soit d'environ 2.3V.)	Sortie minimale.	
8	SEPARATION	(C) 98.0MHz 1kHz, ±40kHz dév Selector:G ou D Pilot:±6kHz dév 60dBμV(Entrée ANT)	(B)	98.0MHz (mode stéréo)	VR151	Même niveau pour les canaux G et D. Le niveau de sortie est minimum.	
9	ANRC	(C) 98.0MHz 1kHz, ±40kHz dév Selector:G ou D Pilot:±6kHz dév 30dBμV(Entrée ANT)	(B)	98.0MHz (mode stéréo)	VR102	Diff rence de niveau entre les canaux G et D: 9 dB.	
SECTION SDK							
10	DK VCO	(E) 98.0MHz SK+BK entrée 60dBμV(Entrée ANT)	Raccorder un compteur de fréquence à la broche 12 de IC902.	98.0MHz SDK SW:ON	VR901	125Hz	(f)
11	GAIN SK	(E) 98.0MHz SK SIG entrée 60dBμV(Entrée ANT)	Raccorder un voltmètre CA à la broche 9 de IC901.	98.0MHz SDK SW:OFF	VR903	100mV	(g)
12	GAIN DK	(E) 98.0MHz SK+DK entrée 60dBμV(Entrée ANT)	Raccorder un voltmètre CA à la broche 2 de IC902.	98.0MHz SDK SW:OFF	VR902	17mV	(h)
13	NIVEAU DE L'INDICATEUR SK	(E) 98.0MHz SK+BK entrée 17dBμV(Entrée ANT)	Raccorder un voltmètre CC au collecteur de Q103.	98.0MHz SDK SW:OFF	VR103	0 V	(i)
14	NIVEAU DE DK	(E) 98.0MHz SK+BK+DK entrée 60dBμV(Entrée ANT)	(B)	98.0MHz SDK SW:ON VOLUME:MINIMUM	VR951	400mV. RMS	

REGLAGES

Régler les controles et les boutons comme suit.
SDK :OFF METAL :OFF LOUD :OFF AUTO :OFF
BALANCE :CENTER TONE :H

N°	ITEM	REGLAGE DE L'ENTREE	REGLAGE DE LA SORTIE	REGLAGE DU TUNER	POINT DE L'ALIGNEMENT	ALIGNER POUR	FIG
SECTION PO/GO							
(1)	BORD DE BANDE (PO)(1)	—	Raccorder un voltmètre CC entre la borne VT (côté + de C805) de l'ensemble du syntoniseur PO/GO et GND.	531kHz	T205	1.4V	(j)
(2)	BORD DE BANDE (PO)(2)	—		1602kHz	TC203	8.0V	
Répéter les alignements (1) et (2) plusieur fois.							
(3)	TRANSFORMATEUR FI	(D) 531kHz 400Hz,30% mod 30dBμV(Entrée ANT)※	(B)	531kHz	T207,208	Amplitude et symétrie maximale de l'affichage de l'oscilloscope.	
(4)	ALIGNEMENT HT (1)	(D) 603kHz 400Hz,30% mod 30dBμV(Entrée ANT)※	(B)	603kHz	T201,203	Amplitude et symétrie maximale de l'affichage de l'oscilloscope.	
(5)	ALIGNEMENT HT (2)	(D) 1404kHz 400Hz,30% mod 30dBμV(Entrée ANT)※	(B)	1404kHz	TC202	Amplitude et symétrie maximale de l'affichage de l'oscilloscope.	
Répéter les alignements (4) et (5) plusieur fois.							
(6)	BORD DE BANDE (GO)	—	Raccorder un voltmètre CC entre la borne VT (côté + de C805) de l'ensemble du syntoniseur PO/GO et GND.	155kHz	T206	1.8V	(j)
(7)	ALIGNEMENT HT (GO)	(D) 216kHz 400Hz,30% mod 35dBμV(Entrée ANT)※	(B)	216kHz	T202,204	Amplitude et symétrie maximale de l'affichage de l'oscilloscope.	
(8)	REPERAGE AUTOMATIQUE DETECTEUR D'ARRET	(D) 999kHz 400Hz,30% mod	Raccorder la broche 8 de IC803 (TC9173P) à la GND et raccorder un voltmètre CC entre la broche 2 de IC803 et GND.	999kHz	VR251	3 V	(k)
SECTION DU MAGNETPHONE							
[1]	AZIMUTH	MTT-216 (10kHz)	(B)	Lecture de bande	Vis d'azimut de tête	Régler en sorte que les niveaux de sortie des canaux de l'avance de gauch et de droite et des canaux marchearrière de gauch et de droite soient tous au maximum et identiques.	

※: Quand la sensibilité est faible et que l'ajustement est difficile à effectuer, élever le niveau de l'entrée ANT selon le besoin. Cependant, le réglage doit être effectu avec le niveau d'entrée auquel le circuit CAG ne fonctionne pas.

ABGLEICH

Die Regler und Kn pfe wire folgt einstellen.
SDK :OFF METAL :OFF LOUD :OFF AUTO :OFF
BALANCE :CENTER TONE :H

NR.	GEGENSTAND	EINGANGS-EINSTELLUNG	AUSGANGS EINSTELLUNG	TUNER(RECEIVER)-EINSTELLUNG	ABGLEICH PUNKTE	ABGLEICHEN FÜR	ABB
UKW-ABTEILUNG							
1	ZF-VERSTÄRKUNG	(A) 98.0MHz 0 Hub 40dBμV(ANT-Eingang)	Ein Oszilloskop zwischen Stift 1 von IC101 und GND anschließen.	98.0MHz	VR104	25mV P-P	(a)
2	DISKRIMINATOR	(A) 98.0MHz 1kHz,±40kHz Hub 60dBμV(ANT-Eingang)	Ein Gleichstrom-Voltmeter zwischen Stift 7 und Stift 13 von IC101 anschlie en.(Gleich-strom 50 mV Bereich)	98.0MHz	T101	0 V	(b)
3	DÄMPFUNGSPEGEL	(A) 98.0MHz 1kHz,±40kHz Hub 60dBμV→No Eingang	(B)	98.0MHz	VR101	Ausgang Geräusch Pegel -25dB (Wenn Antenna stecker nicht anschließen.)	
4	AGC	(A) 98.0MHz 1kHz,±40kHz Hub 60dBμV(ANT-Eingang)	Ein Gleichstrom-Voltmeter an den Frontstufe-AGC-Anschluß (Kollektor von Q107) anschließen.	98.0MHz	VR103	3.8V (Grobeinstellung des KRC-343D)	(c)
5	AUTOSTOP	(A) 98.0MHz 1kHz,±40kHz Hub 20dBμV(ANT-Eingang)	Stift 8 von IC803 (TC9173P) an den (-) Stift anschlie en. Ein Gleichstrom-Voltmeter an Stift 2 von IC803 anschlie en.	98.0MHz	VR105	3.0 V	(d)
6	MPX VCO	(A) 98.0MHz 0 Hub 60dBμV(ANT-Eingang)	Den 330kΩ Wieder-stand an TP153 und einen Frequenzzähler an den Wiederstand über ein Wechsel-strom-Voltmeter anschließen.	98.0MHz	VR153	76.000kHz	(e)
7	PILOT LÖSCHUNG	(C) 98.0MHz 0 Hub Pilotten,±6kHz Hub 60dBμV(ANT-Eingang)	(B)	98.0MHz (STEREOMODUS)	VR152 (VR102 grob so ein-stellen, daß die Spannung von TP. ANRC etwa 2.3V beträgt.	Minimal Ausgang	
8	TRENNUNG	(C) 98.0MHz 1kHz,±40kHz Hub Wähler:L oder R Pilotten,±6kHz Hub 60dBμV(ANT-Eingang)	(B)	98.0MHz (STEREOMODUS)	VR151	Gleicher Pegel für linken und rechten Kanal. Ausgangspegel ist Minimum.	
9	ANRC	(C) 98.0MHz 1kHz,±40kHz Hub Wähler:L oder R Pilotten,±6kHz Hub 30dBμV(ANT-Eingang)	(B)	98.0MHz (STEREOMODUS)	VR102	Pegelunterschied zwischen linken und rechten Kanal: 9 dB.	
SDK-ABTEILUNG							
10	DK VCO	(E) 98.0kHz SK+BK-Eingang 60dBμV(ANT Eingang)	Einen Frequenzzähler an Stift 12 von IC902 anschließen.	98.0MHz SDK SW:ON	VR901	125Hz	(f)
11	SK-VERSTÄRKUNG	(E) 98.0MHz SK SIG-Eingang 60dBμV(ANT-Eingang)	Ein Wechsel-spannungsmesser an Stift 9 von IC901 anschließen.	98.0MHz SDK SW:OFF	VR903	100mV	(g)
12	DK-VERSTÄRKUNG	(E) 98.0MHz SK+DK-Eingang 60dBμV(ANT-Eingang)	Ein Wechsel-spannungsmesser an Stift 2 von IC902 anschließen.	98.0MHz SDK SW:OFF	VR902	17mV	(h)
13	SK-ANZEIGEPEGEL	(E) 98.0MHz SK+BK-Eingang 17dBμV(ANT-Eingang)	Ein Gleichstrom-Voltmeter an den Kollektor von Q103 anschließen.	98.0MHz SDK SW:OFF	VR103	0 V	(i)
14	DK-PEGEL	(E) 98.0MHz SK+BK+DK-Eingang 60dBμV(ANT-Eingang)	(B)	98.0MHz SDK SW:ON Lautstärke	VR951	400mV. RMS	

ABGLEICH

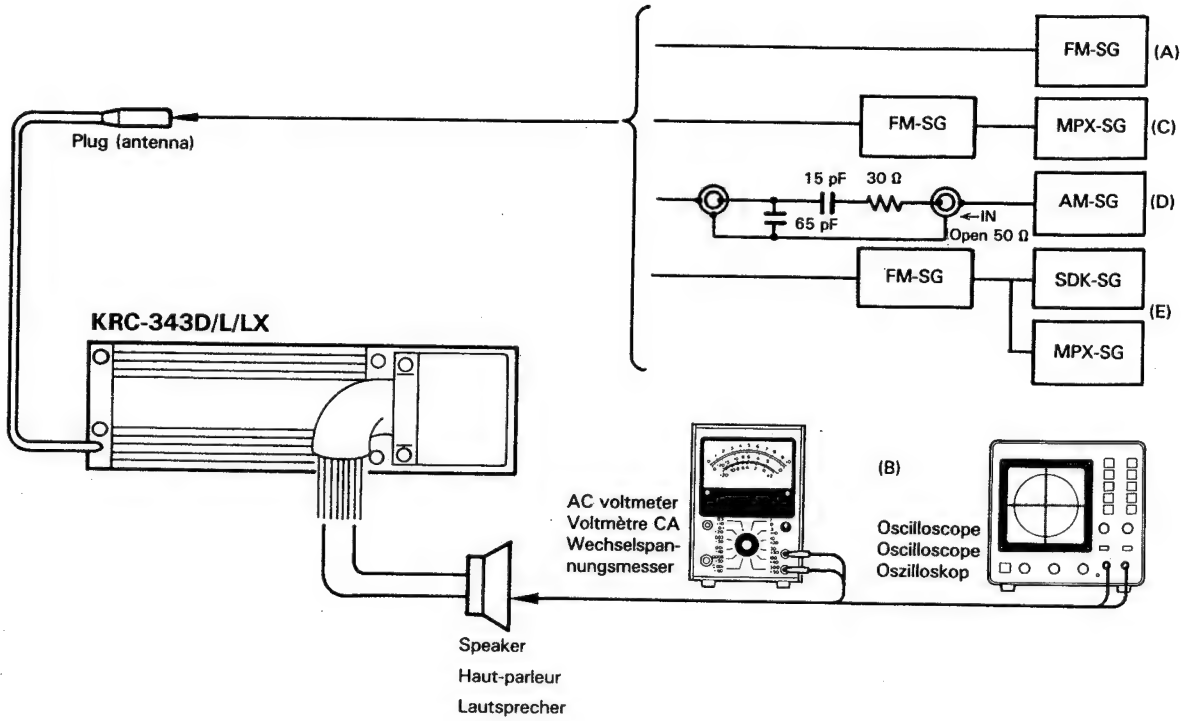
Die Regler und Kn pfe wire folgt einstellen.
SDK :OFF METAL :OFF LOUD :OFF AUTO :OFF
BALANCE :CENTER TONE :H

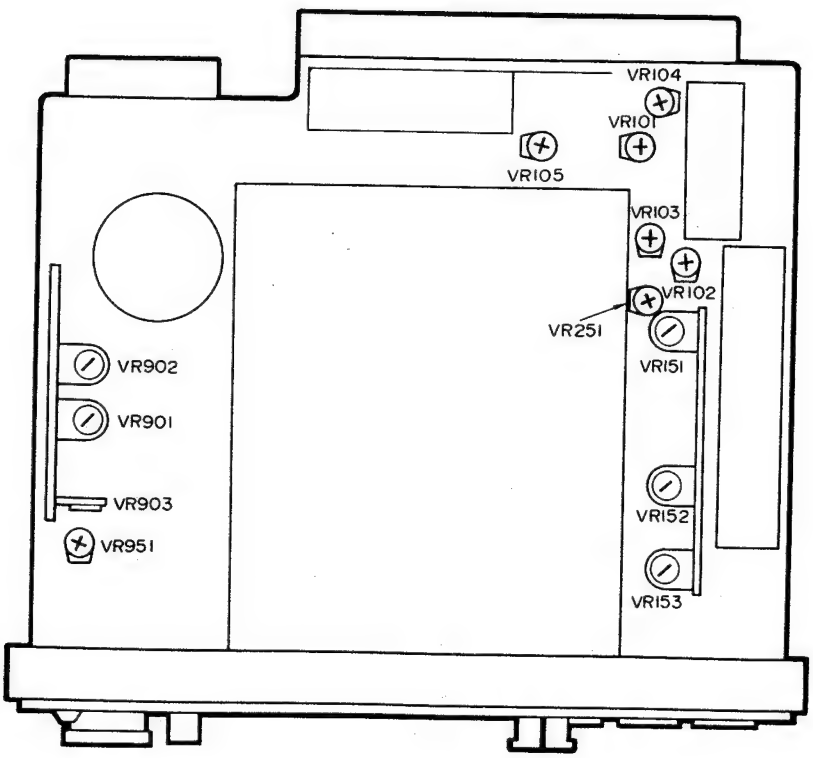
NR.	GEGENSTAND	EINGANGS-EINSTELLUNG	AUSGANGS-EINSTELLUNG	TUNER-EINSTELLUNG	ABGLEICH PUNKTE	ABGLEICHEN FÜR	ABB.
MW/LW-ABTEILUNG							
(1)	BANDKANTE (MW)(1)	–	Ein Gleichstrom-Voltmeter zwischen dem VT-Anschluß (+ Seite von C805) der MW/LW-Tunerbaugruppe und GND anschließen.	531kHz	T205	1.4V	(j)
(2)	BANDKANTE (MW)(2)	–		1602kHz	TC203	8.0V	
Abstimmungen (1) und (2) mehrere Male wiederholen.							
(3)	ZF-ÜBERTRAGER	(D) 531kHz 400Hz,30% Hub 30dBμV(ANT-Eingang)※	(B)	531kHz	T207,208	Maximale Amplitude und Symmetrie des Oszilloskopbildes.	
(4)	SPURHALTUNG (1)	(D) 603kHz 400Hz,30% Hub 30dBμV(ANT-Eingang)※	(B)	603kHz	T201,203	Maximale Amplitude und Symmetrie des Oszilloskopbildes.	
(5)	SPURHALTUNG (2)	(D) 1404kHz 400Hz,30% Hub 30dBμV(ANT-Eingang)※	(B)	1404kHz	TC202	Maximale Amplitude und Symmetrie des Oszilloskopbildes.	
Abstimmungen (4) und (5) mehrere Male wiederholen.							
(6)	BANDKANTE (LW)	–	Ein Gleichstrom-Voltmeter zwischen dem VT-Anschluß (+ Seite von C805) der MW/LW-Tunerbaugruppe und GND anschließen.	155kHz	T206	1.8V	(j)
(7)	SPURHALTUNG (LW)	(D) 216kHz 400Hz,30% Hub 35dBμV(ANT-Eingang)※	(B)	216kHz	T202,204	Maximale Amplitude und Symmetrie des Oszilloskopbildes.	
(8)	AUTOSUCHE STOPSENSOR	(D) 999kHz 400Hz,30% mod	Stift 8 von IC803 an den GND und ein Gleichstrom-Voltmeter zwischen Stift 2 von IC803 und GND anschließen.	999kHz	VR251	3 V	(k)
CASSETTEN-DECK-ABTEILUNG							
[1]	AZIMUTH	MTT-216(10kHz)	(B)	Band-wiedergabe	Kopfazimut-schraube	So einstellen, daß die Ausgangspegel der linken und rechten Kanäle bei Rück lauf maximal und überinstimmend sind.	

※: Wenn die Empfindlichkeit niedrig und die Einstellung schwer durchzuführen ist, den pegel des ANT-Eingangs nach Bedarf anheben. Die Einstellung sollte jedoch mit dem Eingangspegel durchgeführt werden, bei dem die AGC-Schaltung nicht funktioniert.

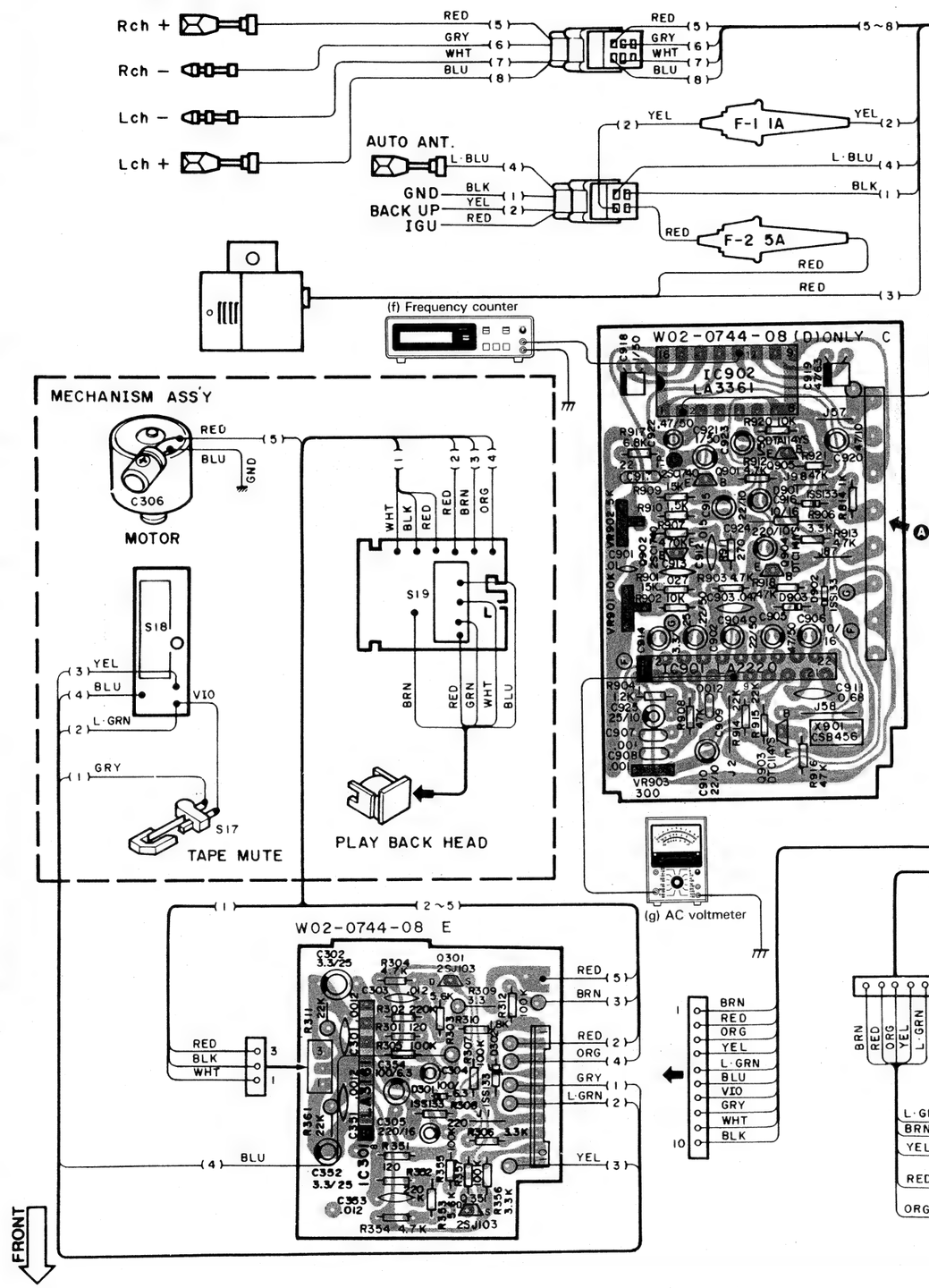
ADJUSTMENT/REGLAGES/ABGLEICH

TEST INSTRUMENT CONNECTIONS

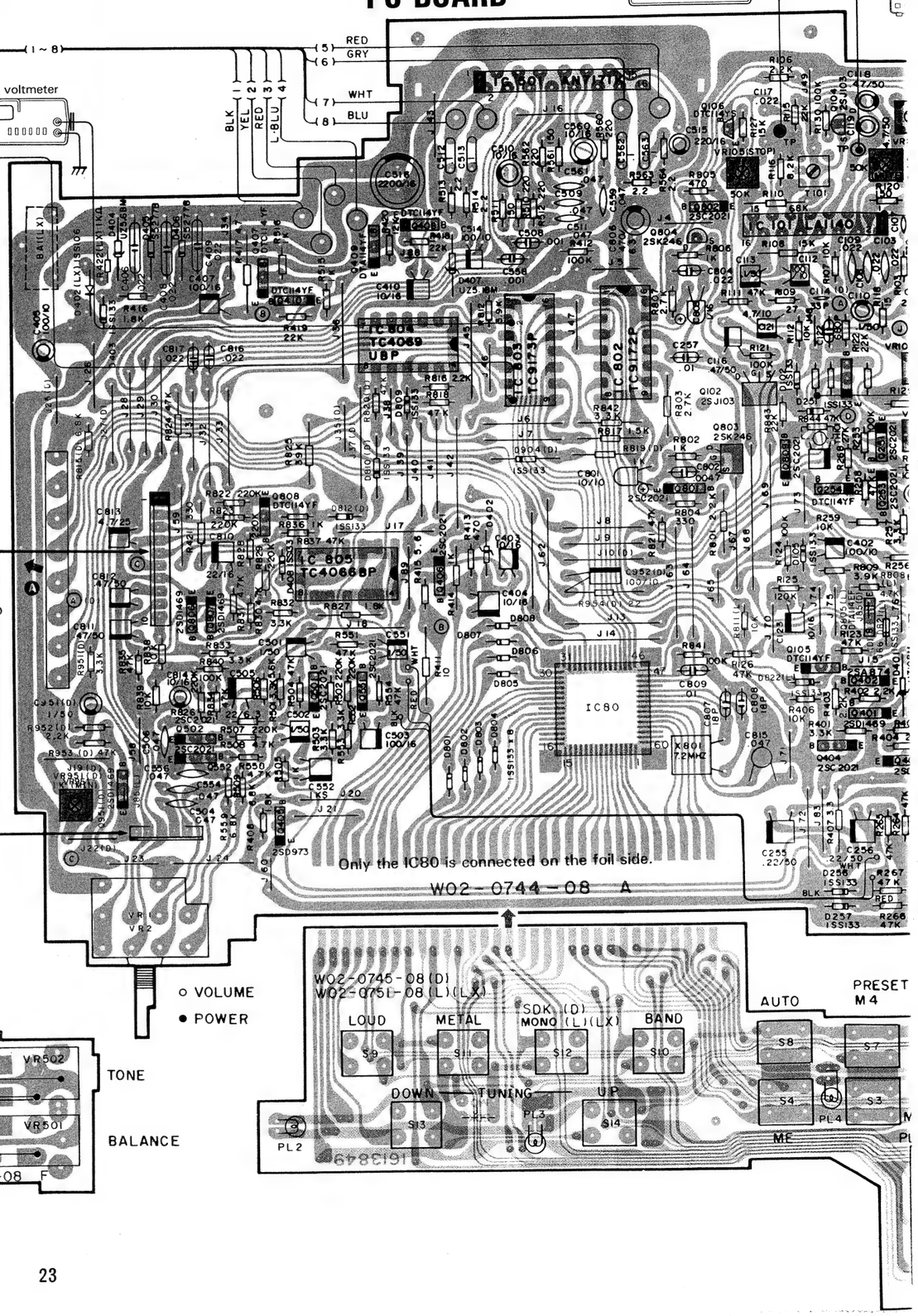




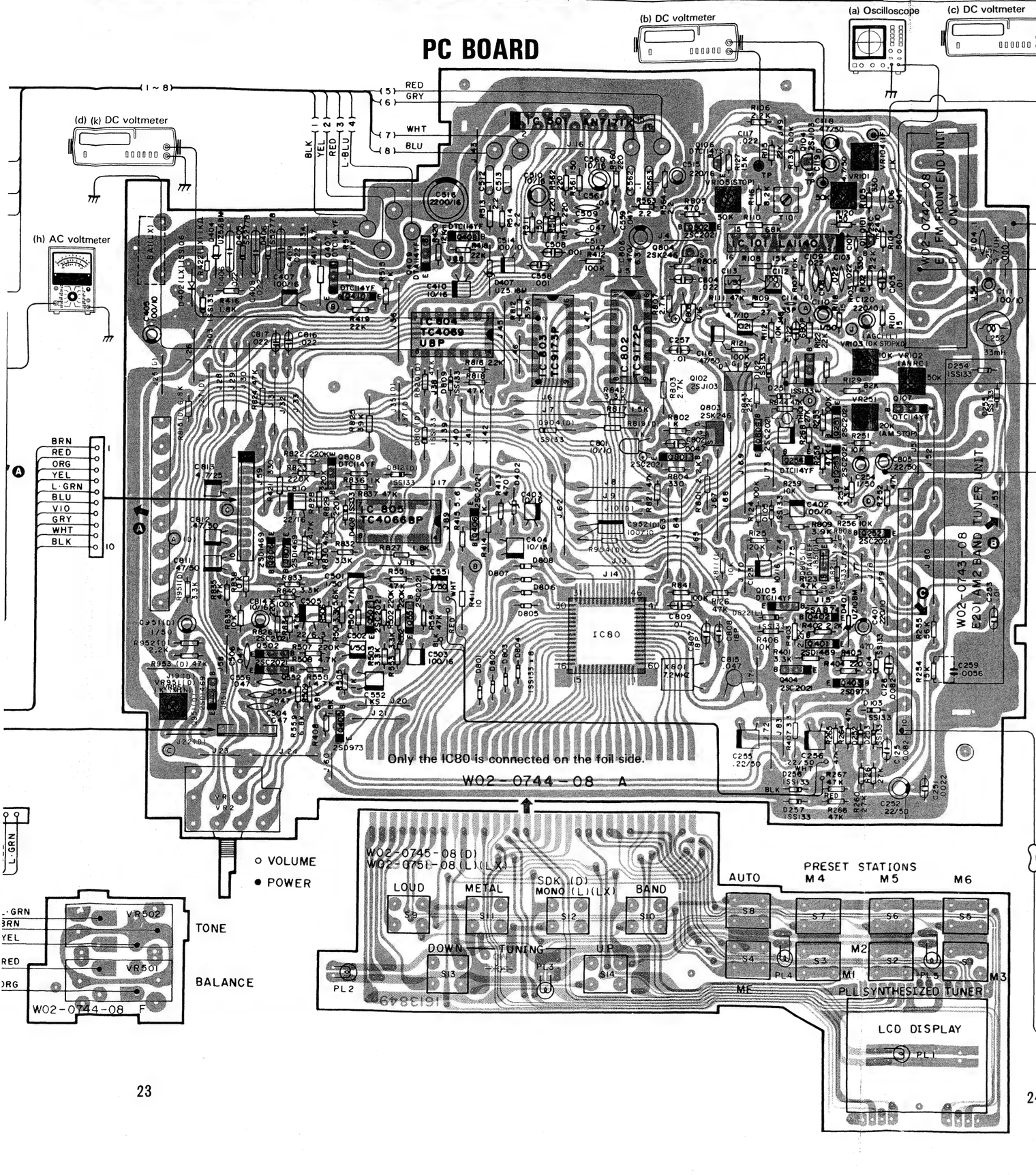
Component side view



PC BOARD



PC BOARD



23

24

KRC-343L/D

W02-0742-08

IC1

3	7.8V

W02-0743-08

IC201

8,14	8.5V

W02-0752-08 (KRC-343L), W02-0744-08 (KRC-343D)

Q254

E	–
C	–
B	5.0V

Q101

E	1.0V
C	7.8V
B	1.7V

IC101

1–3	2.6V
5	2.0V
6	7.3V
7	5.4V
8	5.0V
9	4.9V
11	4.9V
12	8.3V
13	4.9V
14	3.0V
15	2.9V
16	4.1V

Q401

E	8.5V
C	9.2V
B	–

Q402

E	9.2V
C	9.0V
B	–

Q403

E	9.2V
C	13.8V
B	9.8V

Q801

E	–
C	4.6V
B	0.6V

Q252

E	–
C	8.5V
B	–

Q253

E	–
C	2.2V
B	0V

Q251

E	–
C	3.5V
B	–

Q802

E	–
C	3.4V
B	0.6V

IC802

8	5.0V
10	0.6V
16	5.0V

IC803

16	5.0V

IC804

14	5.0V

Q105

E	–
C	0V
B	2.0V

Q803

G	–
S	9.2V
D	0.6V

Q804

G	0.6V
S	0.6V
D	9.2V

Q501

E	0.3V
C	2.1V
B	1.0V

Q405

E	–
C	–
B	0.6V

Q406

E	5.0V
C	13.0V
B	5.6V

Q408

E	–
C	4.6V
B	0V

Q409

E	5.0V
C	–
B	4.6V

Q410

E	–
C	–
B	13.2V

Q407

E	–
C	–
B	14.3V

IC501

1	14.3V
2	6.9V
4	6.9V
6	0V
7	1.3V
8	1.3V
9	1.3V
11	1.3V
12	0V
13	13.8V
14	6.9V
16	6.9V

IC151

1	6.5V	10	3.0V
2	3.6V	11	3.0V
3,4	4.9V	12	2.3V
5,6	4.3V	13	0.6V
7	4.9V	14	0V
9	1.5V	15,16	4.7V

IC152

1	9.0V	9	0V
2	3.3V	11,12	2.7V
3	3.4V	13	0.5V
4	2.7V	14	2.7V
5,6	3.7V	15	2.7V
7	0.1V	16	2.8V

IC301

1	1.3V	6	2.2V
2	0.7V	7	0.7V
3	2.2V	8	1.3V
4	12.5V		

KRC-343D Only

W02-0744-08 (C)

IC901

1	2.3V
2	2.1V
3	2.0V
4	4.5V
5	2.0V
6	8.1V
7	2.0V
8	2.2V
9	3.0V
11	5.0V
12–14	2.8V
15	0.5V
16	3.0V
17	0V
18–21	3.0V
22	4.0V

IC902

1	8.3V
2	2.3V
3	1.6V
4	8.1V
5	8.1V
6	9.2V
9	3.5V
10,11	1.4V
12	2.0V
13–15	1.4V
16	0V

Q903

E	0V
C	0V
B	2.0V

Q904

E	0V
C	2.6V
B	0V

Q902

E	2.0V
C	4.6V
B	2.5V

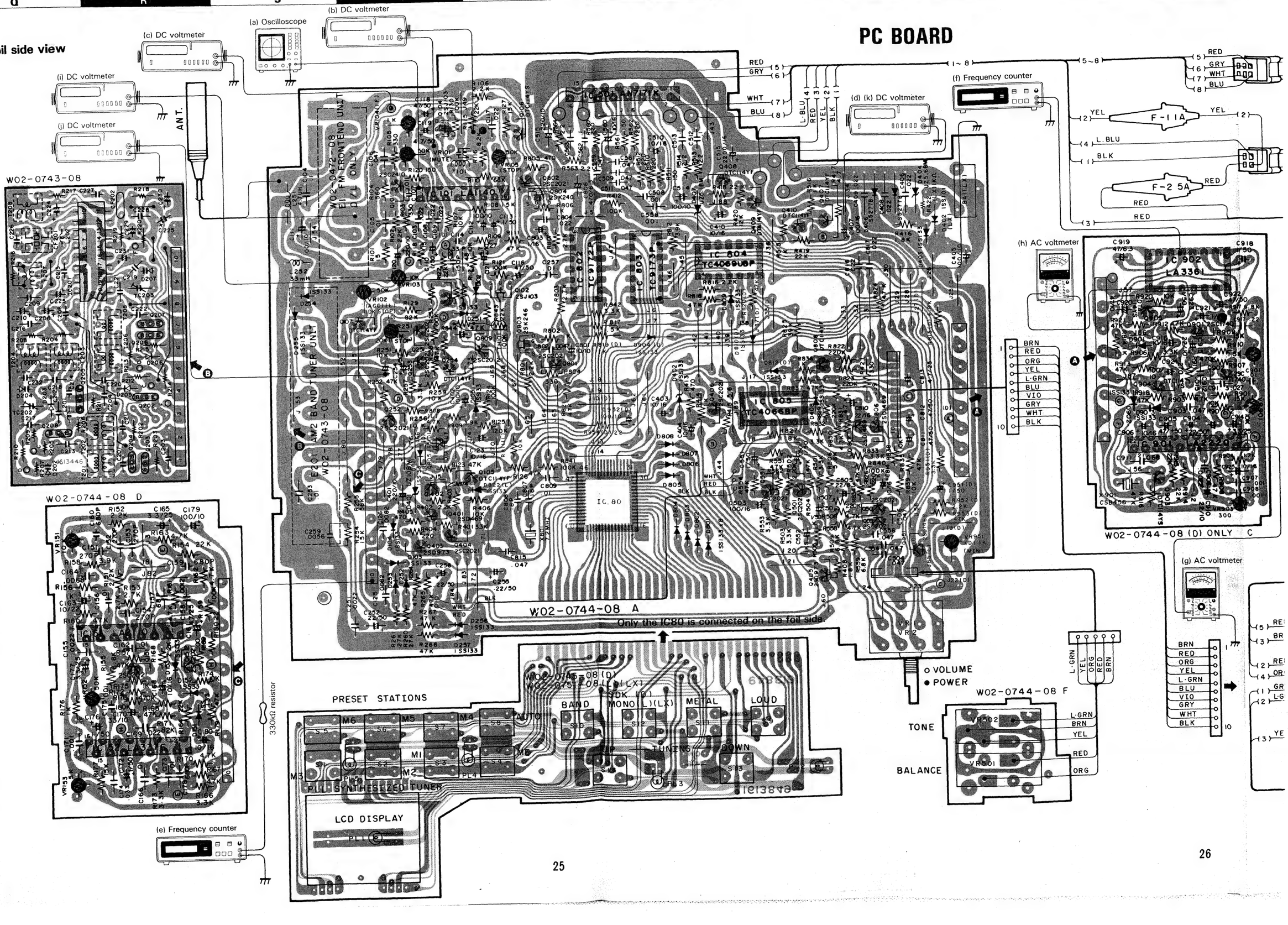
Q905

E	8.3V
C	0V
B	8.2V

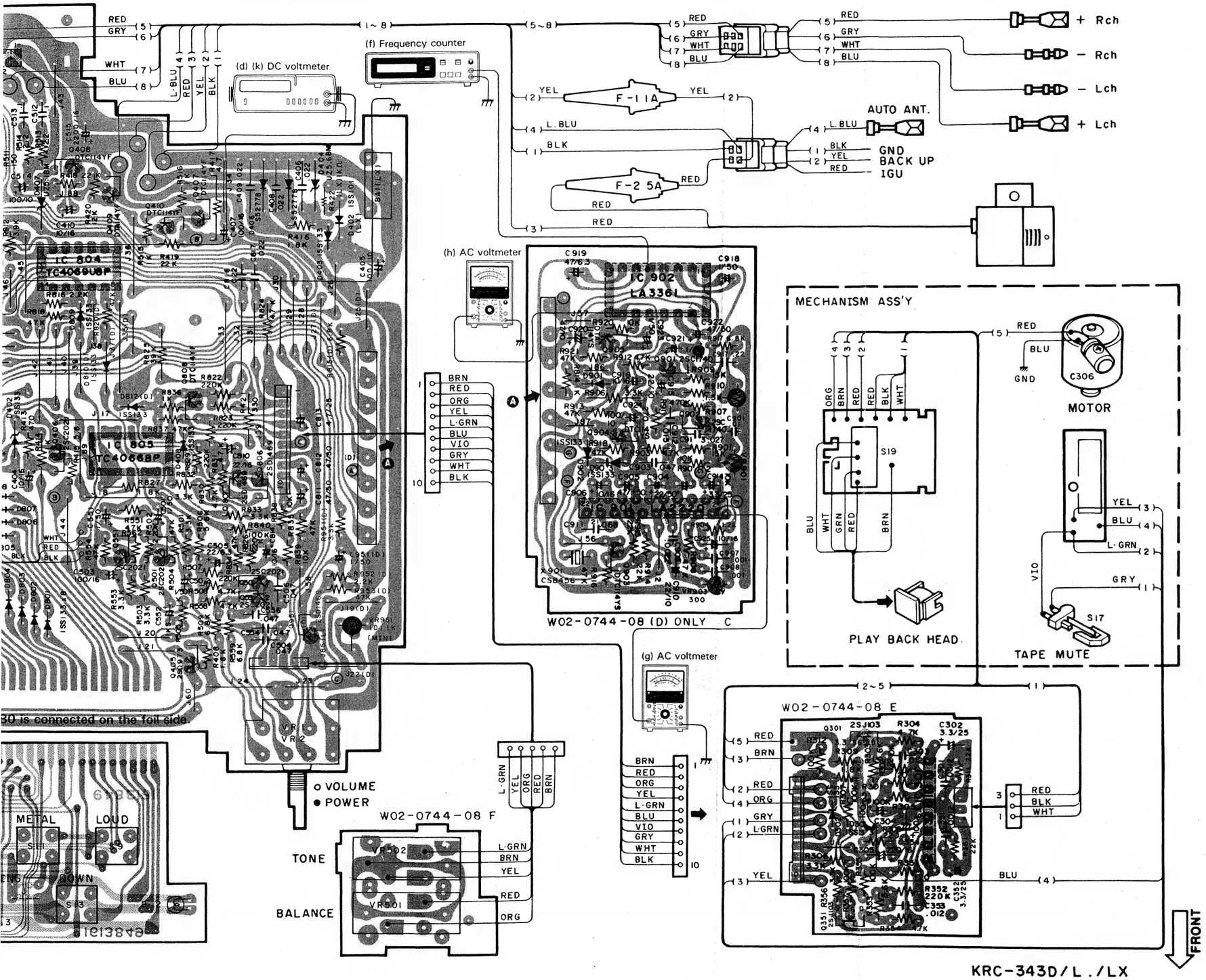
Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD

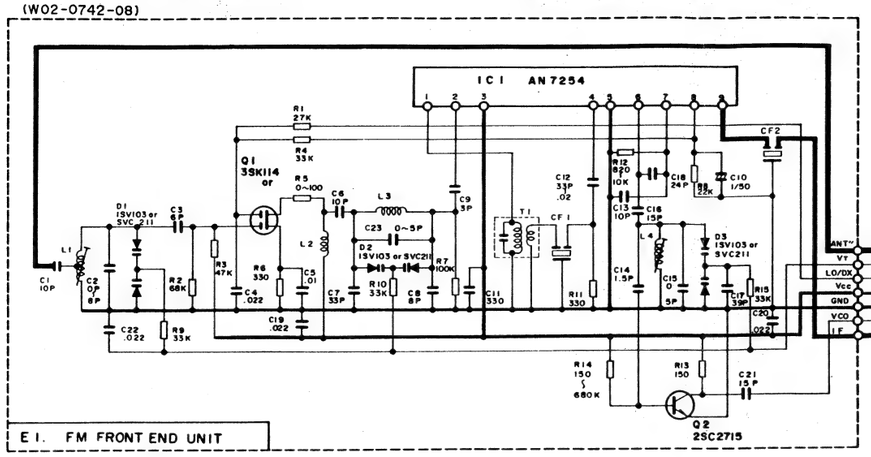
Foil side view

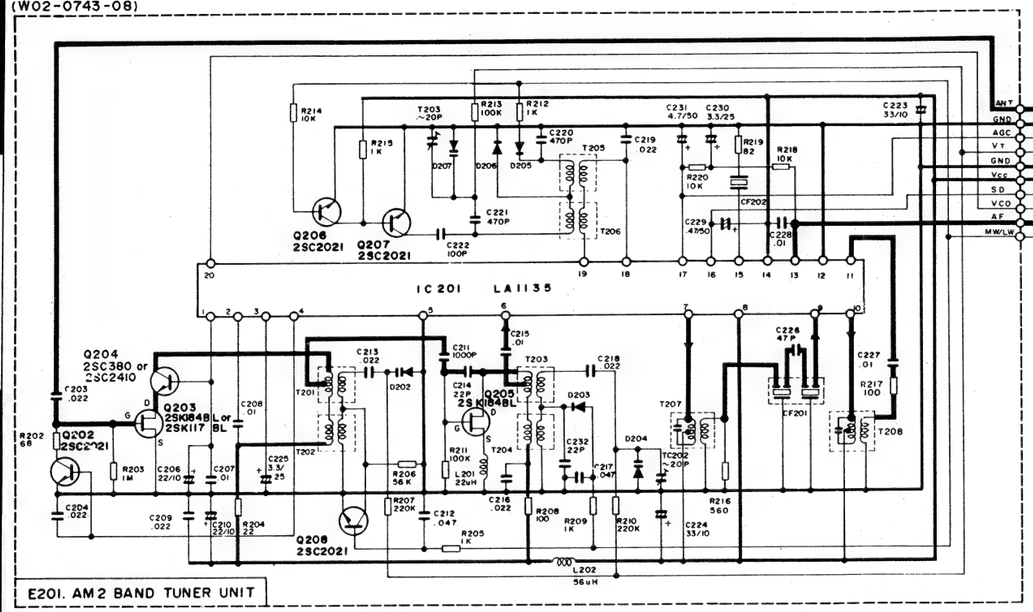


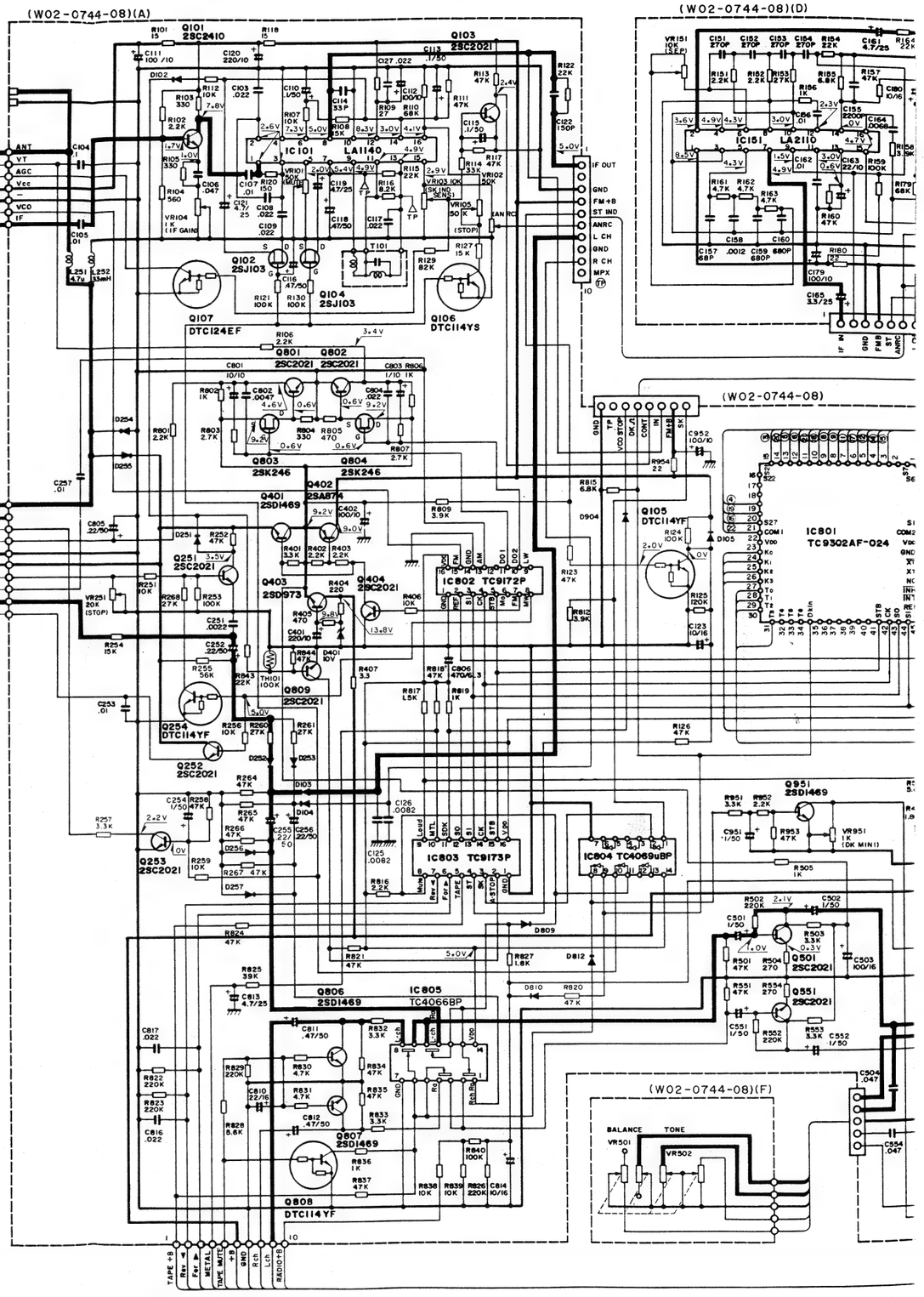
PC BOARD



Refer to the schematic diagram for the values of resistors and capacitors.







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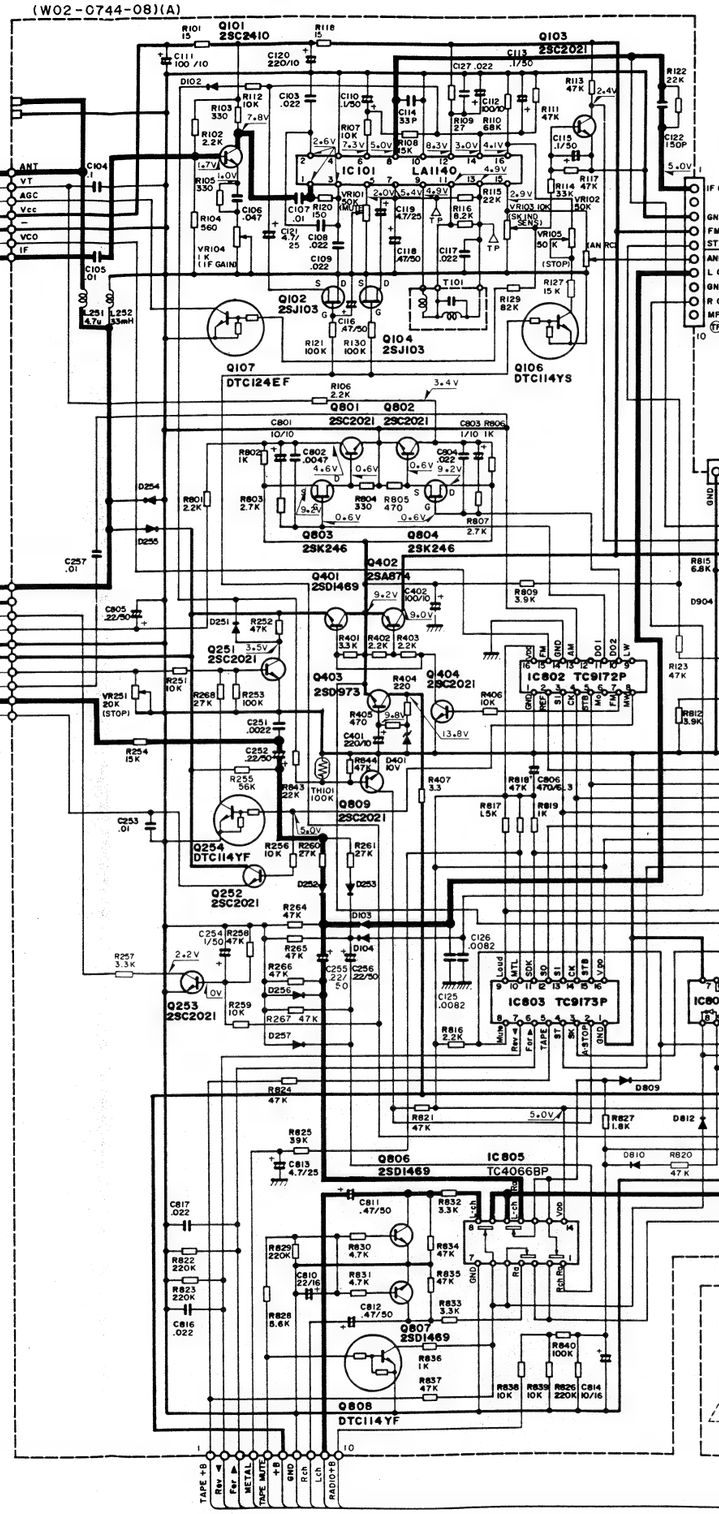
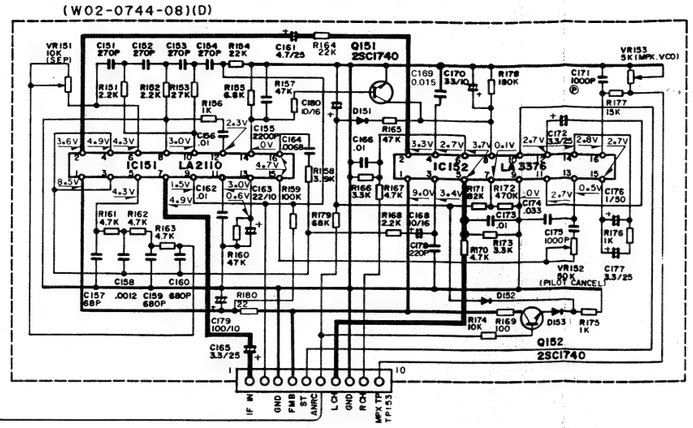
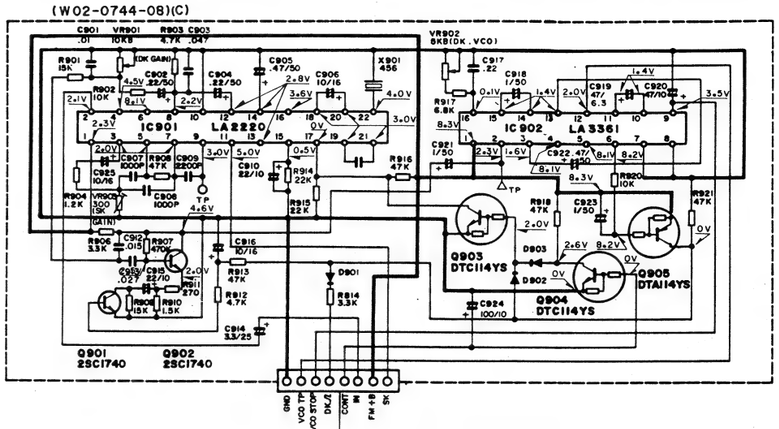
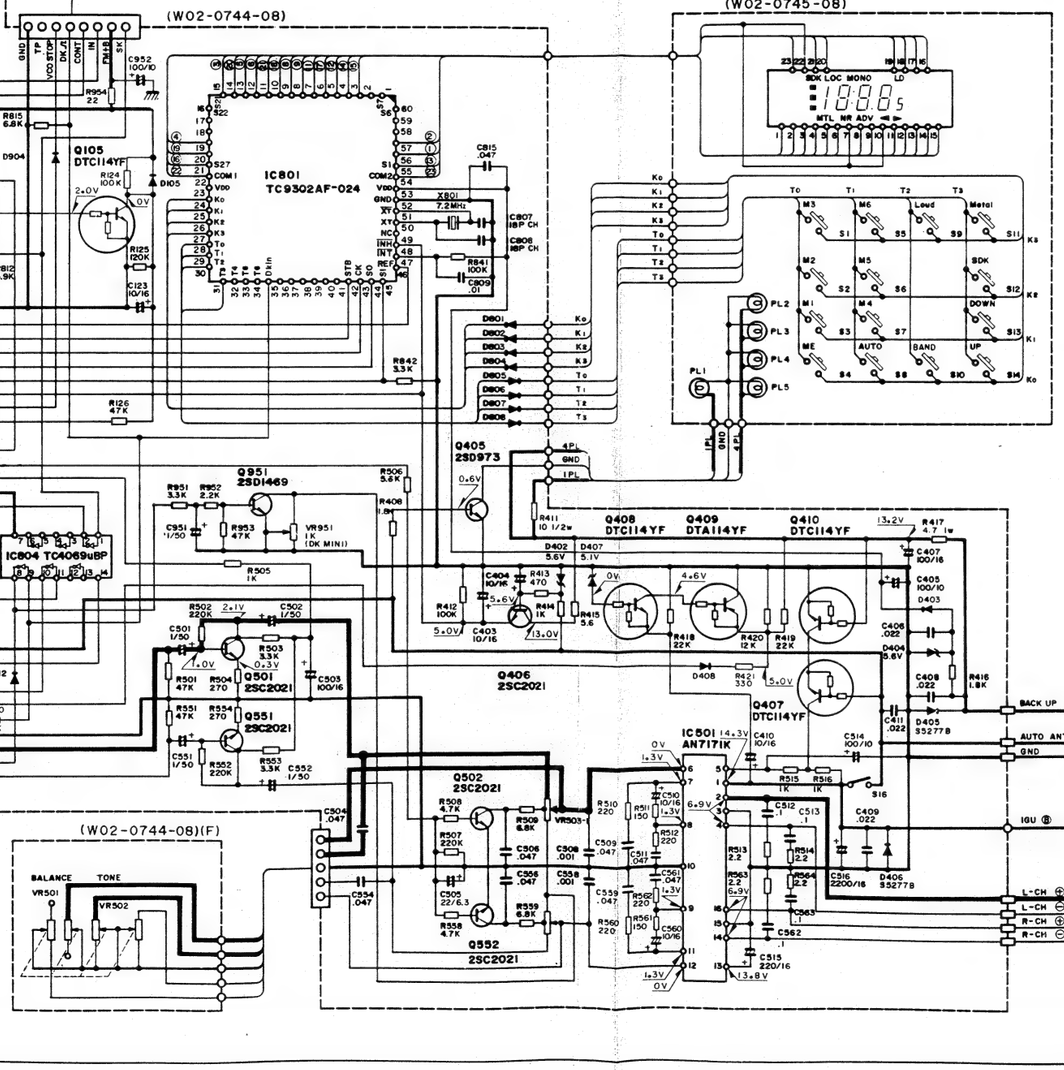
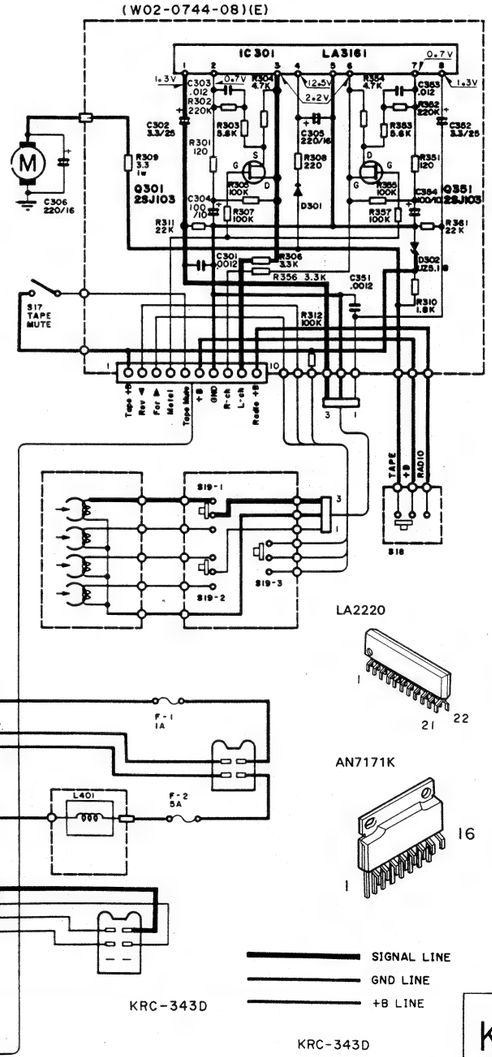


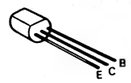






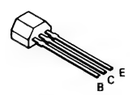


SC380

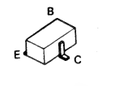


DTA114EF
DTA114YF
DTC114YF
DTC124EF
2SA874R
2SC2021
2SC2021R
2SD1469R
2SD973R

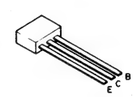
DTA114YS
2SC1740S



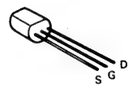
2SC2715



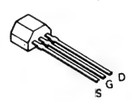
DTC114YS



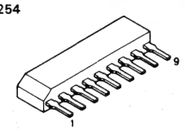
2SJ103Y
2SK246



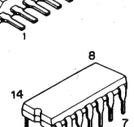
2SK184



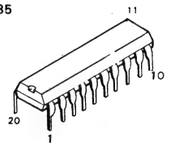
AN7254



TC4066BP
TC4069UBP

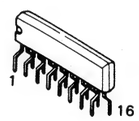


LA1135

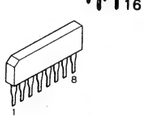


LA2220

LA1140
LA2110
LA3361
LA3376

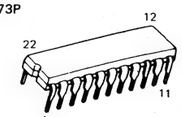


LA3161



AN7171K

TC9172P
TC9173P



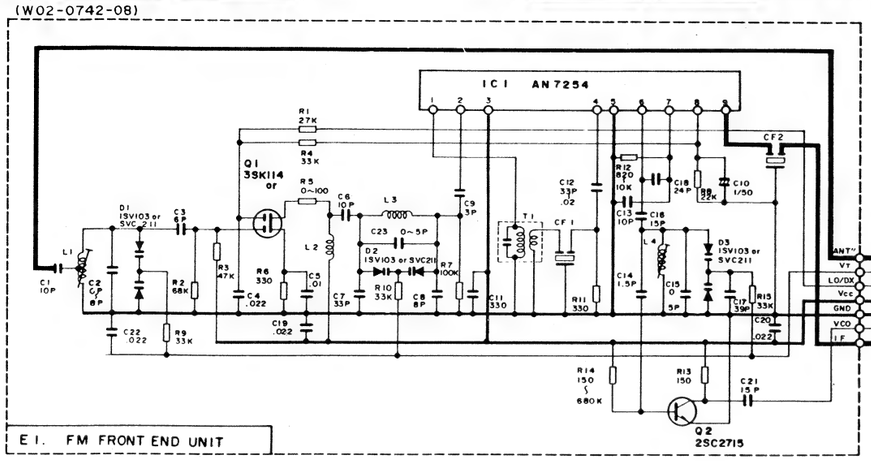
SIGNAL LINE
GND LINE
+B LINE

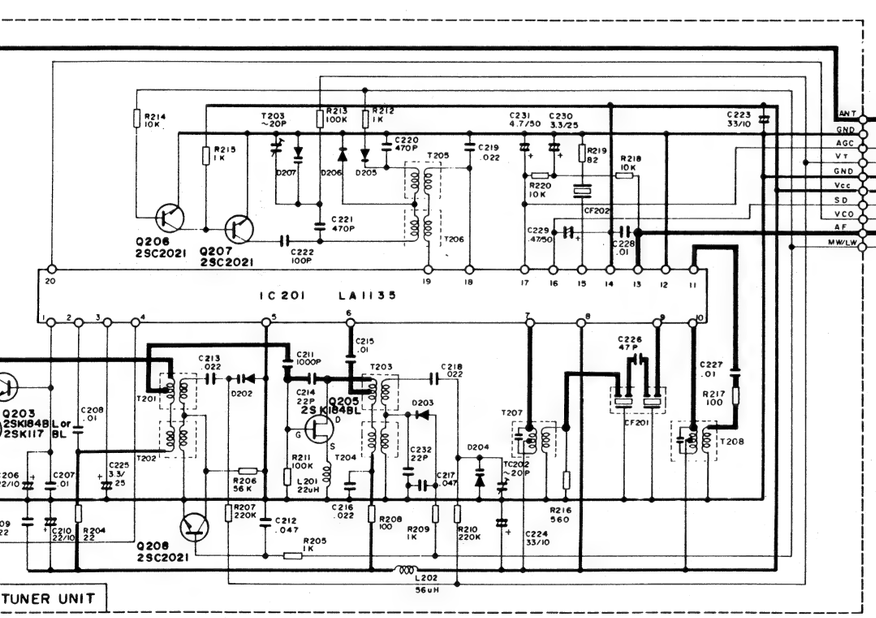
KRC-343D

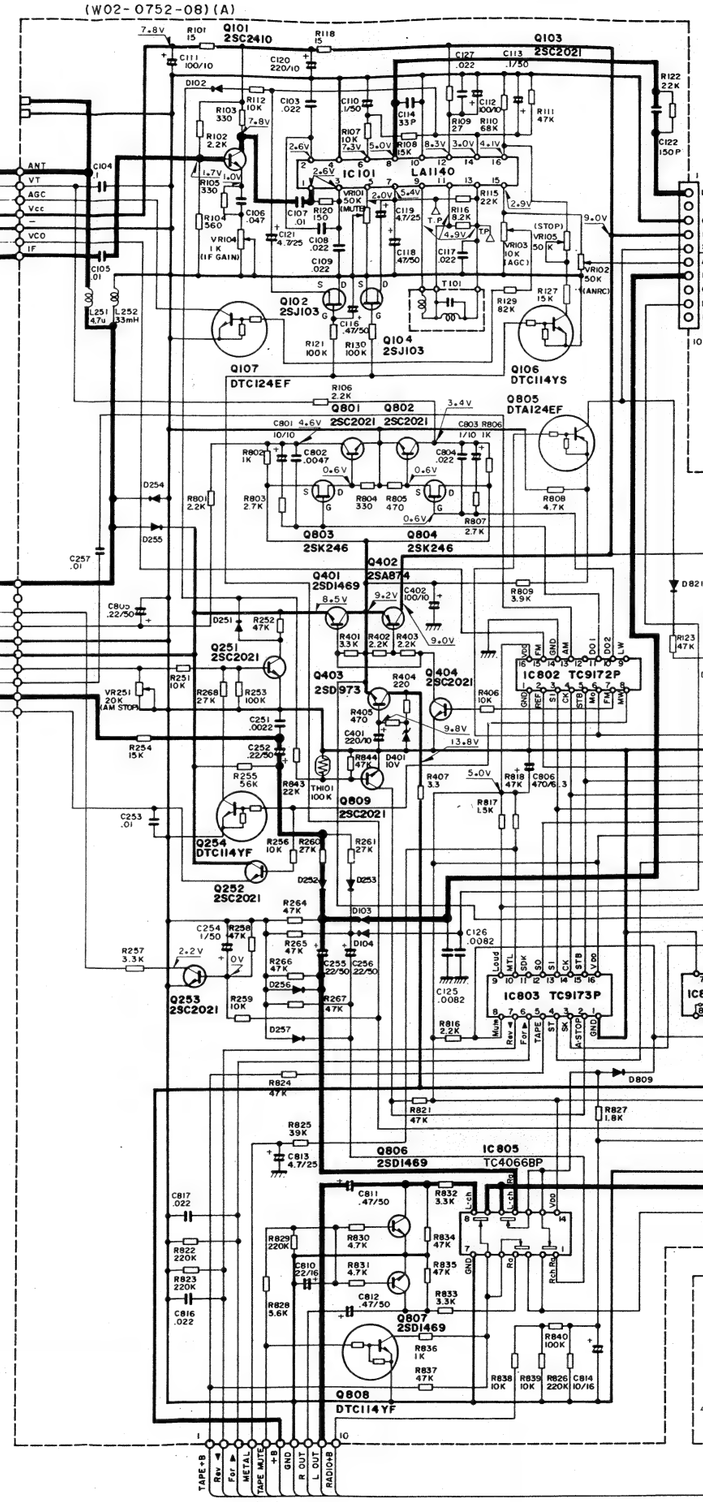
KRC-343D

KRC-343D/L/LX

KENWOOD







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(W02-0752-08)(A)

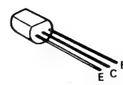
(W02-0752-08)(D)

(W02-0751-08)

(W02-0752-08)(E)

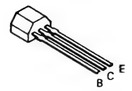
(W02-0752-08)(F)

SC380



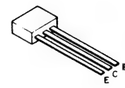
DTA114EF
DTA114YF
DTC114YF
DTC124EF
2SA874R
2SC2021
2SC2021R
2SD1469R
2SD973R

DTA114YS
2SC1740S

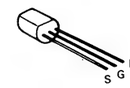


2SC2715

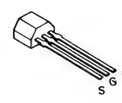
DTC114YS



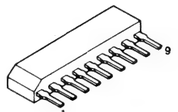
2SJ103Y
2SK246



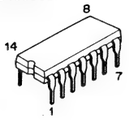
2SK184



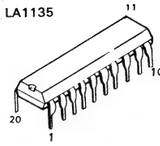
AN7254



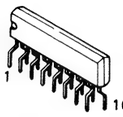
TC4066BP
TC4069UBP



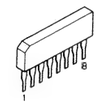
LA1135



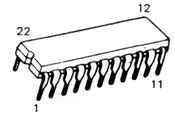
LA1140
LA2110
LA3361
LA3376



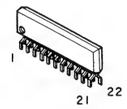
LA3161



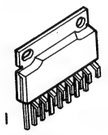
TC9172P
TC9173P



LA2220



AN7171K



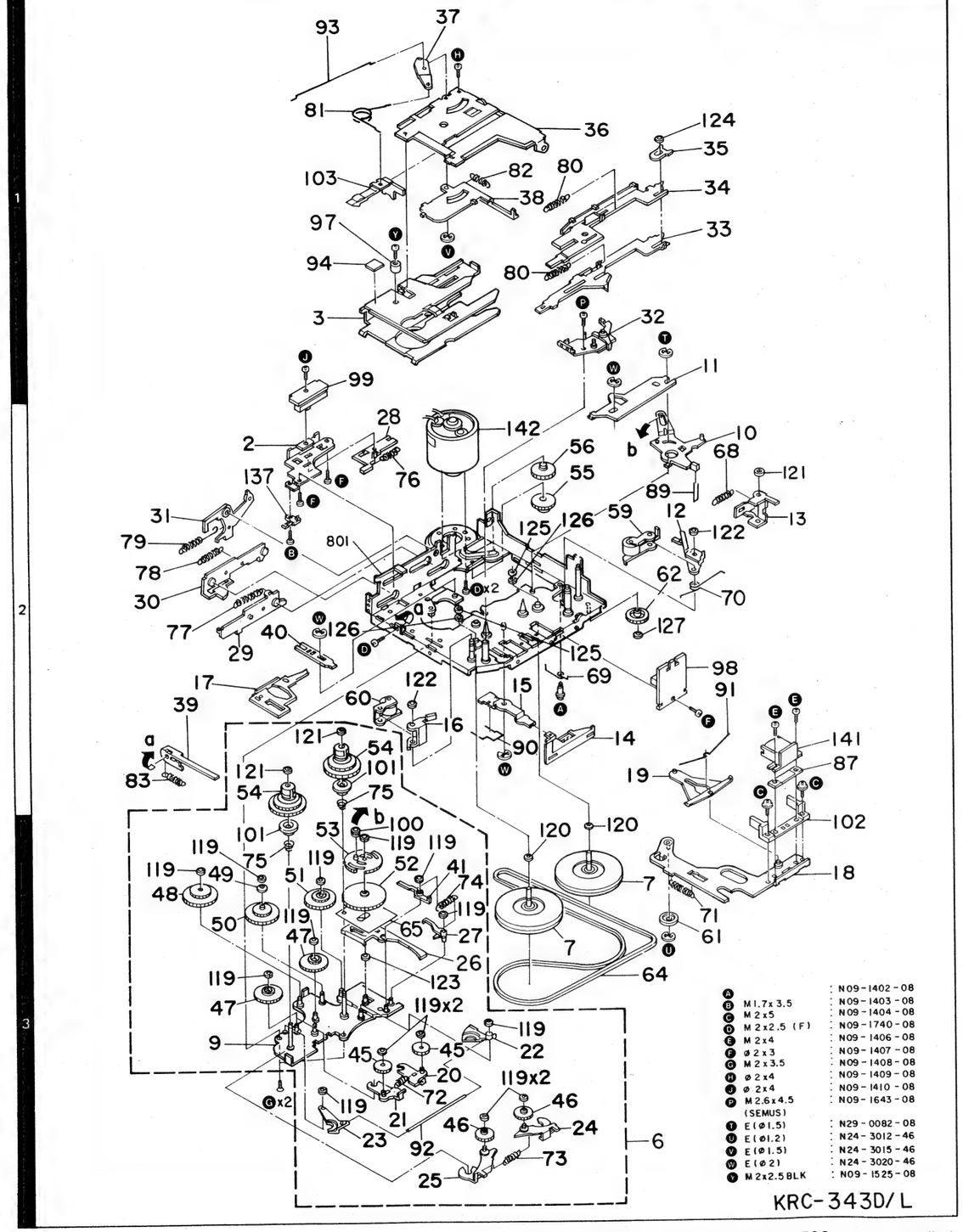
SIGNAL LINE
GND LINE
+B LINE

KRC-343L

KRC-343D/L/LX

KENWOOD

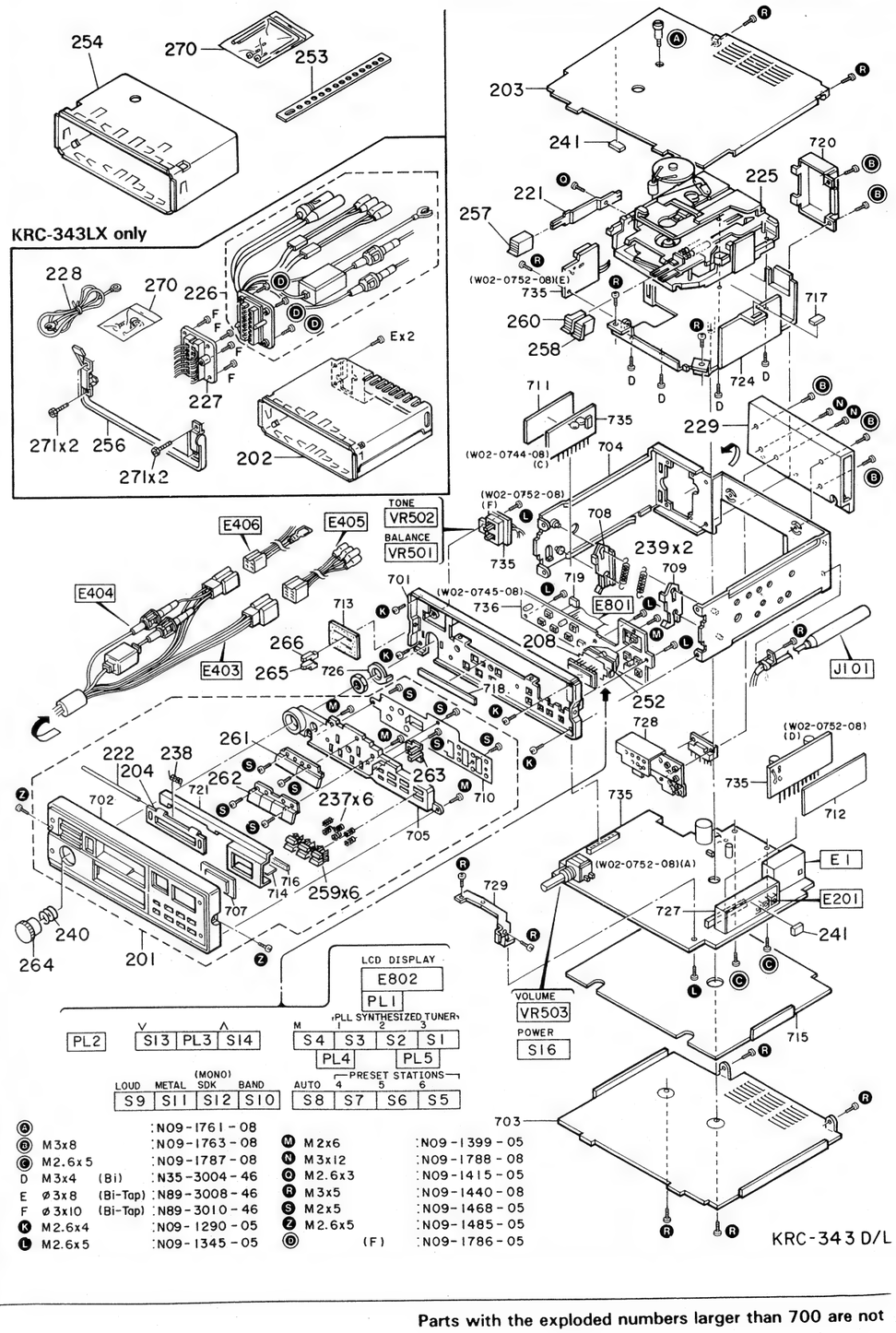
EXPLODED VIEW (MECHANISM)



A		: N09-1402-08
B	M1.7x3.5	: N09-1403-08
C	M2x5	: N09-1404-08
D	M2x2.5 (F)	: N09-1740-08
E	M2x4	: N09-1406-08
F	ø2x3	: N09-1407-08
G	M2x3.5	: N09-1408-08
H	ø2x4	: N09-1409-08
J	ø2x4	: N09-1410-08
P	M2.6x4.5 (SEMUS)	: N09-1643-08
T	E(ø1.5)	: N29-0082-08
U	E(ø1.2)	: N24-3012-46
V	E(ø1.5)	: N24-3015-46
W	E(ø2)	: N24-3020-46
Y	M2x2.5 BLK	: N09-1525-08

Parts with the exploded numbers larger than 700 are not supplied.

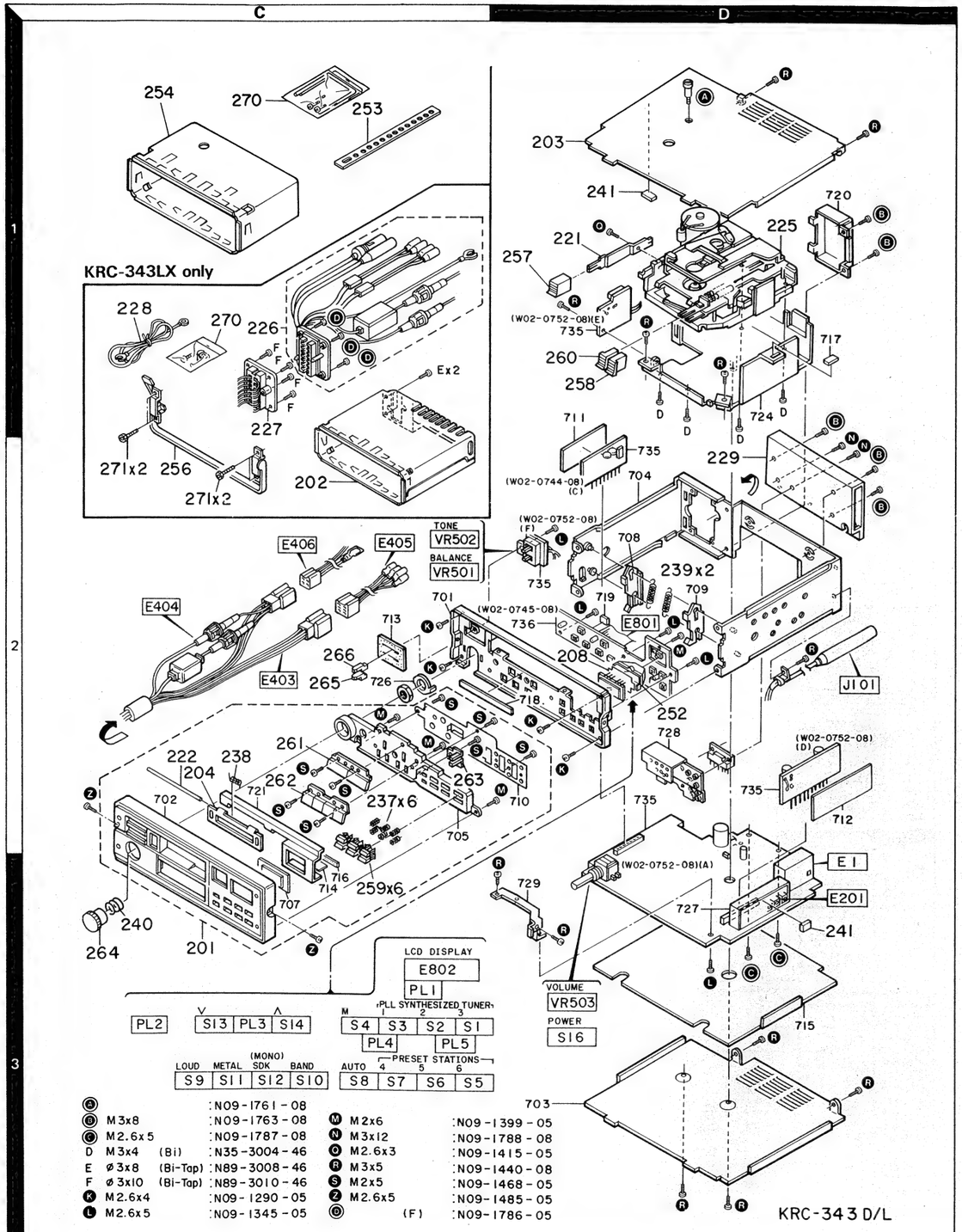
EXPLODED VIEW (UNIT)



A		: N09-1761-08
B	M3x8	: N09-1763-08
C	M2.6x5	: N09-1787-08
D	M3x4 (Bi)	: N35-3004-46
E	ø3x8 (Bi-Tap)	: N89-3008-46
F	ø3x10 (Bi-Tap)	: N89-3010-46
K	M2.6x4	: N09-1290-05
L	M2.6x5	: N09-1345-05
M	M2x6	: N09-1399-05
N	M3x12	: N09-1788-08
Q	M2.6x3	: N09-1415-05
R	M3x5	: N09-1440-08
S	M2x5	: N09-1468-05
Z	M2.6x5	: N09-1485-05
@	(F)	: N09-1786-05

Parts with the exploded numbers larger than 700 are not

EXPLODED VIEW (UNIT)



ⓐ		:N09-1761-08		
ⓑ	M3x8	:N09-1763-08	Ⓜ M2x6	:N09-1399-05
ⓒ	M2.6x5	:N09-1787-08	Ⓝ M3x12	:N09-1788-08
D	M3x4 (Bi)	:N35-3004-46	Ⓞ M2.6x3	:N09-1415-05
E	ø3x8 (Bi-Tap)	:N89-3008-46	Ⓡ M3x5	:N09-1440-08
F	ø3x10 (Bi-Tap)	:N89-3010-46	Ⓢ M2x5	:N09-1468-05
Ⓚ	M2.6x4	:N09-1290-05	Ⓩ M2.6x5	:N09-1485-05
Ⓛ	M2.6x5	:N09-1345-05	ⓔ (F)	:N09-1786-05

Parts with the exploded numbers larger than 700 are not supplied.

PARTS LIST

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Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
KRC-343D/L/LX						
201	3C	*	A20-5209-08	PANEL ASSY	D	
201	3C	*	A20-5210-08	PANEL ASSY	L	
201	3C	*	A20-5286-08	PANEL ASSY	LX	
202	2C	*	N0 STOCK	A01-1430-33	LX	
203	1D	*	A52-0104-08	TOP PLATE		
204	2C	*	A53-0928-08	CASSETTE LID ASSY		
208	2D	*	B11-0152-08	FILTER		
-			B46-0100-00	WARRANTY CARD		
-		*	B50-6488-00	INSTRUCTION MANUAL(ITA,DAT)		
-		*	B50-6489-00	INSTRUCTION MANUAL(ENG,FRE)	L	
-		*	B58-0822-08	CAUTION CARD		
-		*	B58-0828-08	CAUTION CARD		
-		*	B58-0843-00	CAUTION CARD	LX	
-		*	N0 STOCK	B50-6822-00 (INSTRUCT MANU)	LX	
221	1D	*	D10-1913-08	LEVER (EJECT)		
222	2C	*	D21-1326-08	SHAFT (DOOR)		
225	1D		D40-0319-25	CASSETTE MECHANISM ASSY		
226	1C		N0 STOCK	E30-1588-05	LX	
227	1C		N0 STOCK	E40-3724-05	LX	
228	1C		E30-0891-05	GND WIRE	LX	
229	2D	*	F01-1154-08	HEAT SINK (REAR)		
F1			F05-1024-05	FUSE (1A) E31-1571-08ASSY		
F2			F05-5021-05	FUSE (5A) E31-1571-08ASSY		
237	2C		G01-1592-08	COMPRESSION SPRING (KNOB)		
238	2C	*	G01-2018-08	TORSION COIL SPRING(DOOR)		
239	2D	*	G01-2019-08	SPRING (LOCK)		
240	3C	*	G09-0076-08	COMPRESSION SPRING(VOLUME KNOB		
241	1D,3D	*	G13-0170-08	CUSHION (TOP COVER)		
-		*	H01-7342-08	ITEM CARTON CASE	L	
-		*	H01-7343-08	ITEM CARTON CASE	D	
-		*	H01-7612-00	ITEM CARTON CASE	LX	
-		*	H10-3350-08	POLYSTYRENE FOAMED FIXTURE(L)		
-		*	H10-3351-08	POLYSTYRENE FOAMED FIXTURE(R)		
-		*	H13-0007-08	CARTON BOARD		
-			H25-0029-04	PROTECTION BAG (SCREW)		
-			H25-0112-04	PROTECTION BAG (INSTRUCT MANU)		
-			H25-0188-04	PROTECTION BAG (SET)		
252	2D	*	J19-2779-08	LCD HOLDER		
253	1C	*	J54-0059-04	STAY		
254	1C	*	J21-3978-08	MOUNTING HARDWARE		
256	2C		N0 STOCK	K01-0083-03	LX	
257	1D		K27-1738-08	KNOB(BUTTON) EJECT		
258	1D	*	K27-1739-08	KNOB(BUTTON) FF		
259	3C	*	K27-1740-08	KNOB(BUTTON) PRESET		
260	1D	*	K27-1741-08	KNOB(BUTTON) REW		
261	2C	*	K29-2674-08	KNOB ASSY (TUNING)		
262	2C	*	K29-2675-08	KNOB ASSY (FUNCTION)	D	
262	2C	*	K29-2676-08	KNOB ASSY (FUNCTION)	L	
263	2C	*	K29-2677-08	KNOB ASSY (MEMORY)		
264	3C	*	K29-2678-08	KNOB ASSY (VOLUME)		

KRC-343D/L : Japan Made
KRC-343LX : France Made

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265	2C	*	K29-2679-08	KNOB ASSY (BALANCE)		
266	2C		K29-2680-08	KNOB ASSY (TONE)		
270	1C		N99-0099-05	SCREW SET	LX	
270	1C		N99-0242-08	SCREW SET	DL	
AA	1D	*	N09-1761-08	SCREW (M2)		
BB	1D,2D	*	N09-1763-08	SCREW (M3X8) HEAT SINK		
CC	3D	*	N09-1787-08	SCREW (M2.6X5) PCB		
K	2C,2D		N09-1290-05	SCREW (M2.6X4) SUB SHASSIS		
L	2D,3D		N09-1345-05	SCREW (M2.6X5) PCB		
M	2C,2D		N09-1399-05	SCREW (M2X6) LIGHTING BOARD		
N	2D	*	N09-1788-08	SCREW (M3X12)		
Q	1D		N09-1415-05	SCREW (M2.6X3) LEVER		
R	2D,3D		N09-1440-08	SCREW (M3X5)		
Z	2C,3C		N09-1485-05	SCREW (M2.6X5) PANEL		
SWITCH UNIT (D:W02-0745-08) (L:W02-0751-08)						
E802	3C	*	B38-0079-08	DISPLAY ASSY		
PL1	3C	*	B30-1181-08	LAMP		
PL2 -5	3C		B30-0435-05	LAMP		
E801	2D	*	J25-5531-08	FLEXIBLE PC BOARD		
S1 -14	3C	*	S40-1105-08	PUSH SWITCH		
MAIN UNIT (D:W02-0744-08) (L:W02-0752-08)						
C103			CK45F1H223Z	CERAMIC 0.022UF Z		
C104			C91-0700-05	CERAMIC 0.1UF J		
C105			C91-0769-05	CERAMIC 0.01UF M		
C106			C91-0692-05	CERAMIC 0.047UF K		
C107			C91-0675-05	CERAMIC 0.01UF K		
C108			CK45FF1H223Z	CERAMIC 0.022UF Z		
C109			CK45F1H223Z	CERAMIC 0.022UF Z		
C110			C90-0477-05	ELECTRO 0.1UF 50WV		
C111			CE04KW1A101M	ELECTRO 100UF 10WV		
C112		*	C90-1501-08	ELECTRO 100UF 10WV		
C113			C90-0477-05	ELECTRO 0.1UF 50WV		
C114			CC45SL1H330J	CERAMIC 33PF J		
C116			CE04CW1HR47M	ELECTRO 0.47UF 50WV		
C117			CK45FF1H223Z	CERAMIC 0.022UF Z		
C118			C90-0484-05	ELECTRO 0.47UF 50WV		
C119			C90-0482-05	ELECTRO 4.7UF 25WV		
C120			CE04KW1A221M	ELECTRO 220UF 10WV		
C121			CE04CW1V4R7M	ELECTRO 4.7UF 35WV		
C122			C91-0747-05	CERAMIC 150PF K		
C123			C90-0478-05	ELECTRO 10UF 16WV		
C125,126			C91-0768-05	CERAMIC 0.0082UF M		
C127		*	C91-0929-08	CERAMIC 0.022UF N		
C151			CK45B1H271K	CERAMIC 270PF K		
C152,153			C91-0750-05	CERAMIC 270PF K		
C154			CK45B1H271K	CERAMIC 270PF K		
C155			C91-0660-05	CERAMIC 0.0022UF K		
C156			C91-0769-05	CERAMIC 0.01UF M		
C157			C91-0741-05	CERAMIC 68PF J		
C158			C91-0758-05	CERAMIC 0.0012UF M		
C159,160			CK45B1H681K	CERAMIC 680PF K		
C161			C90-0482-05	ELECTRO 4.7UF 25WV		

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KRC-343LX : France Made

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Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名/規格	Destination 仕向	Remarks 備考
C514		*	C90-1502-08	ELECTRO 100UF 16WV		
C515			CE04KW1C221M	ELECTRO 220UF 16WV		
C516			CE04DW1C222M	ELECTRO 2200UF 16WV		
C551			CE04CW1H010M	ELECTRO 1.0UF 50WV		
C552			CE04CW1H010M	ELECTRO 1.0UF 50WV		
C554			C91-0691-05	CERAMIC 0.047UF K		
C556			C91-0691-05	CERAMIC 0.047UF K		
C558			C91-0757-05	CERAMIC 0.001UF K		
C559			C91-0691-05	CERAMIC 0.047UF K		
C560			CE04KW1C100M	ELECTRO 10UF 16WV		
C561			C91-0692-05	CERAMIC 0.047UF K		
C562,563			CF92FV1H104J	MF 0.10UF J		
C801		*	CS15E1A100K	TANTAL 10UF 10WV		
C802			C91-0765-05	CERAMIC 0.0047UF M		
C803		*	CS15E1C010K	TANTAL 1.0UF 16WV		
C804		*	C91-0929-08	CERAMIC 0.022UF N		
C805			C90-0506-05	ELECTRO 0.22UF 50WV		
C806			CE04DW0J471M	ELECTRO 470UF 6.3WV		
C807,808		*	C91-1241-05	CERAMIC 18PF J		
C809			C91-0769-05	CERAMIC 0.01UF M		
C810			CE04CW1C220M	ELECTRO 22UF 16WV		
C811,812			C90-0484-05	ELECTRO 0.47UF 50WV		
C813			C90-0482-05	ELECTRO 4.7UF 25WV		
C814			C90-0478-05	ELECTRO 10UF 16WV		
C815		*	C90-0691-05	CERAMIC 0.047UF 25WV		
C816,817		*	C91-0929-08	CERAMIC 0.022UF N		
C901			C91-0675-05	CERAMIC 0.01UF K	D	
C902			C90-0506-05	ELECTRO 0.22UF 50WV	D	
C903			C91-0692-05	CERAMIC 0.047UF K	D	
C904			C90-0506-05	ELECTRO 0.22UF 50WV	D	
C905			C90-0484-05	ELECTRO 0.47UF 50WV	D	
C906			C90-0478-05	ELECTRO 10UF 16WV	D	
C907,908		*	C91-0931-08	MYLAR 0.001UF 25WV	D	
C909		*	C91-0930-08	MYLAR 0.0022UF 25WV	D	
C910			C90-0497-05	ELECTRO 22UF 10WV	D	
C911		*	C91-0696-05	CERAMIC 0.068UF K	D	
C912		*	C91-0680-05	CERAMIC 0.015UF K	D	
C913			C91-0686-05	CERAMIC 0.027UF K	D	
C914			C90-0498-05	ELECTRO 3.3UF 25WV	D	
C915			C90-0497-05	ELECTRO 22UF 10WV	D	
C916			C90-0478-05	ELECTRO 10UF 16WV	D	
C917			CF92FV1H224J	MF 0.22UF J	D	
C918			C90-0824-05	ELECTRO 1UF 50WV	D	
C919			C90-0480-05	ELECTRO 47UF 10WV	D	
C920			C90-0480-05	ELECTRO 47UF 10WV	D	
C921			C90-0824-05	ELECTRO 1UF 50WV	D	
C922			C90-0484-05	ELECTRO 0.47UF 50WV	D	
C923			C90-0824-05	ELECTRO 1UF 50WV	D	
C924		*	C90-1501-08	ELECTRO 100UF 10WV	D	
C925			C90-0478-05	ELECTRO 10UF 16WV	D	
C951			C90-0824-05	ELECTRO 1UF 50WV	D	
C952			CE04DW1A101M	ELECTRO 100UF 10WV	D	
E403	2C	*	E30-1569-08	SPEAKER CORD		
E404	2C	*	E30-1571-08	DC POWER CORD		

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C162			C91-0769-05	CERAMIC	0.01UF	M		
C163			C90-0497-05	ELECTRO	22UF	10WV		
C164			C91-0671-05	CERAMIC	0.0068UF	K		
C165			C90-0498-05	ELECTRO	3.3UF	25WV		
C166			C91-0676-05	CERAMIC	0.01UF	K		
C168			C90-0478-05	ELECTRO	10UF	16WV		
C169			C91-0680-05	CERAMIC	0.015UF	K		
C170			C90-0831-05	ELECTRO	33UF	10WV		
C171		*	CQ93FP1H102J	POLYPRO	1000PF	50WV		
C172			C90-0824-05	ELECTRO	1UF	50WV		
C173			C91-0769-05	CERAMIC	0.01UF	M		
C174			C91-0688-05	CERAMIC	0.033UF	K		
C175			C91-0651-05	CERAMIC	0.001UF	K		
C176			C90-0824-05	ELECTRO	1UF	50WV		
C177			C90-0498-05	ELECTRO	3.3UF	25WV		
C178			C91-0749-05	CERAMIC	220PF	K		
C179		*	C90-1503-08	ELECTRO	100UF	10WV		
C180			C90-0478-05	ELECTRO	10UF	16WV		
C251			C91-0761-05	CERAMIC	0.0022UF	M		
C252		*	C90-5056-05	ELECTRO	0.22UF	50WV		
C253			C91-0769-05	CERAMIC	0.01UF	M		
C254			C90-0824-05	ELECTRO	1UF	50WV		
C255,256		*	C90-5056-05	ELECTRO	0.22UF	50WV		
C257			C91-0769-05	CERAMIC	0.01UF	M		
C301		*	C91-0654-05	CERAMIC	0.0012UF	K		
C302		*	CE04CW1V3R3M	ELECTRO	3.3UF	35WV		
C303			C91-0678-05	CERAMIC	0.012UF	K		
C304			CE04DW0J101M	ELECTRO	100UF	6.3WV		
C305			CE04KW1C221M	ELECTRO	220UF	16WV		
C306			CE04DW1C221M	ELECTRO	220UF	16WV		
C351		*	C91-0654-05	CERAMIC	0.0012UF	K		
C352		*	CE04CW1V3R3M	ELECTRO	3.3UF	35WV		
C353			C91-0678-05	CERAMIC	0.012UF	K		
C354			CE04KW0J101M	ELECTRO	100UF	6.3WV		
C401			CE04KW1A221M	ELECTRO	220UF	10WV		
C402		*	C90-1501-08	ELECTRO	100UF	10WV		
C403,404			C90-0478-05	ELECTRO	10UF	16WV		
C405			CE04DW1A101M	ELECTRO	100UF	10WV	DL	
C405			C90-1263-05	ELECTRO	100UF	16WV	LX	
C406		*	C91-0929-08	CERAMIC	0.022UF	N		
C407			CE04DW1C101M	ELECTRO	100UF	16WV		
C408,409		*	C91-0929-08	CERAMIC	0.022UF	N		
C410			CE04CW1C100M	ELECTRO	10UF	16WV		
C411		*	C91-0929-08	CERAMIC	0.022UF	N	D	
C501			C90-0824-05	ELECTRO	1UF	50WV		
C502			CE04CW1H010M	ELECTRO	1.0UF	50WV		
C503			CE04DW1C101M	ELECTRO	100UF	16WV		
C504			C91-0691-05	CERAMIC	0.047UF	K		
C505			CE04CW0J220M	ELECTRO	22UF	6.3WV		
C506			C91-0692-05	CERAMIC	0.047UF	K		
C508			C91-0757-05	CERAMIC	0.001UF	K		
C509			C91-0692-05	CERAMIC	0.047UF	K		
C510			CE04DW1C100M	ELECTRO	10UF	16WV		
C511			C91-0692-05	CERAMIC	0.047UF	K		
C512,513			CF92FV1H104J	MF	0.10UF	J		

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E405	2C	＊	E30-1570-08	SPEAKER CORD		
E406	2C	＊	E30-1572-08	DC POWER CORD		
J101	2D	＊	E30-1568-08	ANTENNA CORD		
-		＊	J12-0113-08	PIN		
-			J61-0074-05	WIRE BAND		
L251			L40-4791-14	SMALL FIXED INDUCTOR(4.7U)		
L252		＊	L39-0146-08	COIL (33MH)		
L401		＊	L33-0322-08	CHOKE COIL		
T101		＊	L30-0461-08	IFT		
X801		＊	L77-1117-08	CRYSTAL RESONATOR(7.2MHZ)		
X901			L78-0221-08	CRYSTAL RESONATOR	D	
R309		＊	RS14DB3A3R3J	FL-PROOF RS 3.3 J 1W		
R411		＊	RS14DB2H100J	FL-PROOF RS 10 J 1/2W		
R417			RS14DB3A4R7J	FL-PROOF RS 4.7 J 1W		
S16	2D		R10-4028-08	SWITCH (MAIN VOLUME)		
VR101,102			R12-4413-05	TRIMMING POT(50K)MUTE,ANRC		
VR103			R12-3443-05	TRIMMING POT(10K)AGC,SKIND SENS		
VR104			R12-1428-05	TRIMMING POT(1K) IF GAIN		
VR105			R12-4413-05	TRIMMING POT(50K)STOP		
VR151			R12-3057-05	TRIMMING POT(10K)SEP		
VR152			R12-4023-05	TRIMMING POT(50K)PILOT CANCEL		
VR153			R12-2022-05	TRIMMING POT(5K)MPX VCO		
VR251			R12-3450-05	TRIMMING POT(20KB)STOP		
VR501	2C		R13-3043-08	POTENTIOMETER (BALANCE)		
VR502	2C		R13-3044-08	POTENTIOMETER (TONE)		
VR503	2D		R10-4028-08	POTENTIOMETER(S16) MAIN VOLUME		
VR901			R12-3057-05	TRIMMING POT(10KB)DK GAIN		
VR902			R12-2022-05	TRIMMING POT(5KB)DK VCO		
VR903		＊	R12-6022-08	TRIMMING POT(300)SK GAIN		
VR951			R12-1428-05	TRIMMING POT(1KB)DK MIN		
D102-105			1SS133	DIODE		
D151-153			1SS133	DIODE		
D251-257			1SS133	DIODE		
D301			1SS133	DIODE		
D302		＊	UZ5.1B	ZENER DIODE		
D401		＊	UZ10BMT	ZENER DIODE		
D402		＊	UZ5.6BM	ZENER DIODE		
D402			1SS101	DIODE	LX	
D403			1SS133	DIODE		
D404		＊	UZ5.6BMT	ZENER DIODE		
D405,406			S5277B	DIODE		
D407		＊	UZ5.1BT	ZENER DIODE		
D408			1SS133	DIODE		
D801-809			1SS133	DIODE		
D810			1SS133	DIODE	D	
D812			1SS133	DIODE	D	
D821,822			1SS133	DIODE	L	
D901-904			1SS133	DIODE	D	
IC101			LA1140	IC(FM IF/DETECTION)		
IC151			LA2110	IC(FM NOISE CANCELLER)		
IC152			LA3376	IC(FM MPX)		
IC301			LA3161	IC(PREAMP X2)		
IC501		＊	AN7171K	IC(AUDIO POWER AMP)		

KRC-343D/L : Japan Made
KRC-343LX : France Made

PARTS LIST

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IC801		*	TC9302AF-024	IC(MICROPROCESSOR)		
IC802			TC9172P	IC(PRE SCALER PLL)		
IC803		*	TC9173P	IC(CMOS I/O)		
IC804			TC4069UBP	IC(INVERTER X6)		
IC805			TC4066BP	IC(BILATERAL SWITCH X4)		
IC901			LA2220	IC(SK SIGNAL DETECT)	D	
IC902			LA3361	IC(FM MPX PLL)	D	
Q101		*	2SC2410N	TRANSISTOR		
Q102		*	2SJ103Y	FET		
Q103			2SC2021	TRANSISTOR	D	
Q104		*	2SJ103Y	FET		
Q105			DTC114YF	DIGITAL TRANSISTOR		
Q106		*	DTC114YS	DIGITAL TRANSISTOR		
Q107			DTC124EF	DIGITAL TRANSISTOR		
Q151,152			2SC1740S(R)	TRANSISTOR		
Q251-253			2SC2021R	TRANSISTOR		
Q254			DTC114YF	DIGITAL TRANSISTOR		
Q301		*	2SJ103Y	FET		
Q351		*	2SJ103Y	FET		
Q401		*	2SD1469R	TRANSISTOR		
Q402		*	2SA874R	TRANSISTOR		
Q403			2SD973R	TRANSISTOR		
Q404			2SC2021R	TRANSISTOR		
Q405		*	2SD973R	TRANSISTOR		
Q406			2SC2021R	TRANSISTOR		
Q407,408			DTC114YF	DIGITAL TRANSISTOR		
Q409			DTA114YF	DIGITAL TRANSISTOR		
Q410			DTC114YF	DIGITAL TRANSISTOR		
Q501,502			2SC2021R	TRANSISTOR		
Q551,552			2SC2021R	TRANSISTOR		
Q801,802			2SC2021R	TRANSISTOR		
Q803,804		*	2SK246(Y)	FET		
Q805			DTA114EF	DIGITAL TRANSISTOR	L	
Q806,807		*	2SD1469R	TRANSISTOR		
Q808			DTC114YF	DIGITAL TRANSISTOR		
Q809			2SC2021R	TRANSISTOR		
Q901,902			2SC1740S	TRANSISTOR	D	
Q903,904		*	DTC114YS	DIGITAL TRANSISTOR	D	
Q905			DTA114YS	DIGITAL TRANSISTOR	D	
Q951		*	2SD1469R	TRANSISTOR	D	
TH101		*	TD5-C410D	THERMISTOR (100K)		
BA1		*	W09-0046-05	LITHUM BATTERY	LX	
E1	3D		W02-0742-08	FM FRONT END UNIT		
E201	3D	*	W02-0743-08	AM2 BAND TUNER UNIT		
FM FRONT END UNIT (W02-0742-08)						
D1 -3			SVC211	DIODE		
D1 -3			1SV103	DIODE		
IC1			AN7254	IC(FM FRONT END)		
Q2			2SC2715	TRANSISTOR		
AM 2 BAND TUNER UNIT (W02-0743-08)						
C203,204			C91-0683-05	CERAMIC 0.022UF K		
C206			C90-0497-05	ELECTRO 22UF 10WV		
C207,208			C91-0675-05	CERAMIC 0.01UF K		
C209			C91-0683-05	CERAMIC 0.022UF K		

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C210			C90-0497-05	ELECTRO 22UF 10WV		
C211			C91-0651-05	CERAMIC 0.001UF K		
C212			C91-0691-05	CERAMIC 0.047UF K		
C213			C91-0683-05	CERAMIC 0.022UF K		
C214			CC45SL1H220J	CERAMIC 22PF J		
C215			C91-0675-05	CERAMIC 0.01UF K		
C216			C91-0683-05	CERAMIC 0.022UF K		
C217			C91-0691-05	CERAMIC 0.047UF K		
C218,219			C91-0683-05	CERAMIC 0.022UF K		
C220,221			CQ09S1H471J	POLYSTY 470PF J		
C222			CC45UJ1H101J	CERAMIC 100PF J		
C223,224			C90-0831-05	ELECTRO 33UF 10WV		
C225			C90-0498-05	ELECTRO 3.3UF 25WV		
C226			CC45SL1H470J	CERAMIC 47PF J		
C227,228			C91-0675-05	CERAMIC 0.01UF K		
C229			C90-0484-05	ELECTRO 0.47UF 50WV		
C230			C90-0498-05	ELECTRO 3.3UF 25WV		
C231			C90-0482-05	ELECTRO 4.7UF 25WV		
C232			CC45SL1H220J	CERAMIC 22PF J		
TC202,203			C05-0303-05	TRIMMER C. 20PF		
CF201			L72-0506-08	CERAMIC FILTER		
CF202			L78-0204-08	RESONATOR		
L201		*	L40-4401-14	SMALL FIXED INDUCTOR		
L202			L40-5601-14	SMALL FIXED INDUCTOR(5.6UH)		
T201		*	L31-0559-08	COIL		
T202			L31-0561-08	COIL		
T203		*	L31-0560-08	COIL		
T204		*	L31-0562-08	COIL		
T205		*	L32-0365-08	OSCILLATING COIL		
T206		*	L32-0366-08	OSCILLATING COIL		
T207			L30-0423-08	IFT		
T208			L30-0424-08	IFT		
D202		*	KV1235Z2	VARIABLE CAPACITANCE DIODE		
D203			1SS133	DIODE		
D204		*	KV1235Z2	VARIABLE CAPACITANCE DIODE		
D205,206			1SS133	DIODE		
D207		*	KV1235Z2	VARIABLE CAPACITANCE DIODE		
IC201			LA1135	IC(AM)		
Q202		*	2SC2021R	TRANSISTOR		
Q203		*	2SK184(BL)	FET		
Q204		*	2SC2410N	TRANSISTOR		
Q204		*	2SC380	TRANSISTOR		
Q205		*	2SK184(BL)	FET		
Q206-208			2SC2021R	TRANSISTOR		
SCREW SET (LX:N99-0099-05)						
-			N09-0335-05	SCREW (/5X16)		
-			N09-0366-05	HEX BOLT (M5X20)		
-			N10-1050-46	HEX NUT (M5)		
-			N14-0117-05	FLUNGE NUT (M5)		
SCREW SET (D/L:N99-0243-08)						
-			N09-0335-05	SCREW (M5X16)		
-			N09-1416-05	SCREW (M5X16)		
-			N09-1438-05	SCREW		
-			N09-1530-05	SCREW (M4X8)		

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–			N14-0156-05	FLANGE NUT (M5)		
–			W01-0119-04	HANDLE		
CASSETTE MECHANISM ASS'Y (D40-0319-25)						
2	2A		A10-0770-08	CHASSIS (PM BRACKET)		
3	1A		A53-0674-08	CASSETTE HOLDER		
6	3B		D03-0241-08	REEL DISK ASSY		
7	3B		D01-0073-08	FLYWHEEL ASSY (F)		
9	3A		D03-0229-08	MG PLATE ASSY		
10	2B		D10-1319-08	SWITCH PLATE ASSY		
11	1B		D10-1320-08	MAIN PLATE (M)		
12	2B		D10-1321-08	LEVER (TS ACTUATOR)		
13	2B		D10-1322-08	LOCK PLATE (FR)		
14	2B		D10-1323-08	SLIDER (FR)		
15	2B		D10-1324-08	LEVER (FR ACTUATOR)		
16	2A		D10-1651-08	ARM (PULL PLATE)		
17	2A		D10-1326-08	SLIDER (TG PUSH PLATE)		
18	3B		D10-1327-08	HEAD PANEL ASSY(M)		
19	2B		D10-1328-08	ARM (PR ACTUATOR)		
20	3A		D10-1329-08	FG PLATE ASSY		
21	3A		D10-1330-08	RG PLATE ASSY		
22	3B		D10-1331-08	ARM (ED PLATE)F		
23	3A		D10-1332-08	ARM (ED PLATE)R		
24	3B		D10-1333-08	TG PLATE (F) ASSY		
25	3A		D10-1334-08	TG PLATE (R) ASSY		
26	3A		D10-1335-18	PLATE (ES)		
27	3A		D10-1336-08	ARM (TRIGGER)		
28	2A		D10-1337-08	LEVER (SWITCH ACTUATOR)		
29	2A		D10-1338-08	PUSH LEVER ASSY		
30	2A		D10-1339-08	CH PUSH PLATE ASSY		
31	2A		D10-1340-08	LEVER (LIFT UP)		
32	1B		D10-1652-08	FR BRACKET ASSY		
33	1B		D10-1654-08	LEVER (REW)		
34	1B		D10-1653-08	LEVER (FF)		
35	1B		D10-1344-08	PC PLATE		
36	1B		D10-1345-08	CASE LIFTER		
37	1A		D10-1346-08	PE PLATE ASSY		
38	1B		D10-1347-08	CD PLATE		
39	2A		D10-1348-08	LEVER (TIMING)		
40	2A		D10-1349-08	ARM (TG ACTUATOR)		
41	3A		D10-1350-08	ARM (STOP)		
45	3A		D13-0185-08	GEAR (F)		
46	3A,3B		D13-0186-08	GEAR (T)		
47	3A		D13-0187-18	GEAR (FT)		
48	3A		D13-0188-08	CLUTCH ASSY (FR)		
49	3A		D13-0189-18	GEAR (DEVICE)UPPER		
50	3A		D13-0190-18	GEAR (DEVICE)LOWER		
51	3A		D13-0191-08	GEAR (DT)		
52	3A		D13-0192-08	GEAR (TS ACTUATOR)		
53	3A		D13-0193-08	GEAR (TURNOVER)		
54	2A		D13-0194-08	REEL ASSY(TAKE-UP REEL ASSY)		
55	2B		D13-0331-18	GEAR (MAIN)		
56	2B		D13-0332-08	GEAR (DG)		
59	2B		D14-0114-08	PINCH ROLLER ASSY(F)		

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PARTS LIST

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60	2A		D14-0115-08	PINCH RØLLER ASSY(R)		
61	3B		D14-0116-08	IDLER (HEAD PANEL)		
62	2B		D15-0244-08	PULLEY (CENTER)		
64	3B		D16-0109-18	BELT (MAIN)		
65	3A		D16-0112-08	SLIP SHEET		
68	2B		G01-1560-08	TENSIØN SPRING (FR LØCK)		
69	2B		G01-1561-08	TØRSIØN SPRING (CØNTRØL)		
70	2B		G01-1562-08	TØRSIØN SPRING (TS ACTUATØR)		
71	3B		G01-1563-08	TENSIØN SPRING		
72	3A		G01-1564-08	TENSIØN SPRING (FR GEAR PLATE)		
73	3B		G01-1565-08	TENSIØN SPRING (TG PLATE)		
74	3A		G01-1566-08	TENSIØN SPRING (TS)		
75	2A,3A		G01-1567-08	CØMPRESSIØN SPRING(ED)		
76	2A		G01-1568-08	TENSIØN SPRING (PS)		
77	2A		G01-1569-08	TENSIØN SPRING (PUSH LEVER)		
78	2A		G01-1570-08	TENSIØN SPRING (CH)		
79	2A		G01-1571-08	TENSIØN SPRING (LIFT UP LEVER)		
80	1B		G01-1572-08	TENSIØN SPRING (FR LEVER)		
81	1A		G01-1573-08	TØRSIØN SPRING (TURNØVER)		
82	1B		G01-1574-08	TENSIØN SPRING (CD)		
83	2A		G01-1575-08	TENSIØN SPRING (TIMING LEVER)		
87	2B		G02-0174-08	FLAT SPRING (P/B HEAD)		
89	2B		G09-0047-08	SPRING (HS)		
90	2B		G09-0048-08	SPRING (FR ACTUATØR)		
91	2B		G09-0049-08	SPRING (PINCH RØLLER)		
92	3A		G09-0050-08	SPRING (ES PUSH LEVER)		
93	1A		G09-0051-08	SPRING (PE)		
94	1A		G13-0167-08	CUSHIØN		
97	1A		J32-0306-08	BØSS		
98	2B		J25-4472-08	PRINTED WIRING BØARD (A)		
99	1A		J25-4473-08	PRINTED WIRING BØARD (B)		
100	3A		J31-0242-08	CØLLAR (TURNØVER GEAR)		
101	2A,3A		J31-0243-08	CØLLAR (ED PIECE)		
102	3B		J90-0149-08	GUIDE (TAPE)		
103	1A		J90-0150-08	SLIDER (PACK)		
119	3A,2B		N19-0894-08	FLAT WASHER		
120	3B		N19-0895-08	FLAT WASHER(FLYWHEEL)		
121	2A,2B		N19-0896-08	FLAT WASHER(REEL,LØCK PLT 13)		
122	2A,2B		N19-0897-08	FLAT WASHER(PINCH RØLLER ASSY)		
123	3A		N19-0898-08	FLAT WASHER(UNDER GEAR 52)		
124	1B		N19-0899-08	FLAT WASHER(PC PLATE 35)		
125	2A,2B		N19-0942-08	FLAT WASHER		
126	2A,2B		N19-0901-08	FLAT WASHER		
127	2B		N19-1015-08	FLAT WASHER(PULLY)		
A	2B		N09-1402-08	SCREW (CØLLAR		
B	2A		N09-1403-08	SCREW(M1.7X3.5)		
C	2B		N09-1404-08	SCREW(M2X5) TAPE GUIDE 102		
D	2A		N09-1740-08	SCREW(M2X2.5)MØT,TIMING LEV 39		
E	2B		N09-1406-08	SCREW(M2X4) PLAYBACK HEAD 141		
F	2A,2B		N09-1407-08	SCREW(Ø2X3) PM BRKT 2,PCB 98		
G	3A		N09-1408-08	SCREW(M2X3.5)MG PLATE ASSY 9		
H	1B		N09-1409-08	SCREW(Ø2X4) LIFTER 36,BRKT 32		
J	1A		N09-1410-08	SCREW(Ø2X4) PCB 99		
P	1B		N09-1643-08	SEMUS SCREW(M2.6X4.5)		

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PARTS LIST/PACKING

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T	1B		N29-0082-08	E TYPE RETAINING RING (Ø1.5)		
U	3B		N24-3012-46	E TYPE RETAINING RING (Ø1.2)		
V	1A		N24-3015-46	E TYPE RETAINING RING (Ø1.5)		
W	2A,1B		N24-3020-46	E TYPE RETAINING RING (Ø2)		
Y	1A		N09-1525-08	SCREW(M2X2.5)		
137	2A		S46-1081-05	LEAF SWITCH (MUTING)		
141	2B		T31-0026-08	PLAYBACK HEAD		
142	2B		T42-0090-18	MOTOR ASSY		

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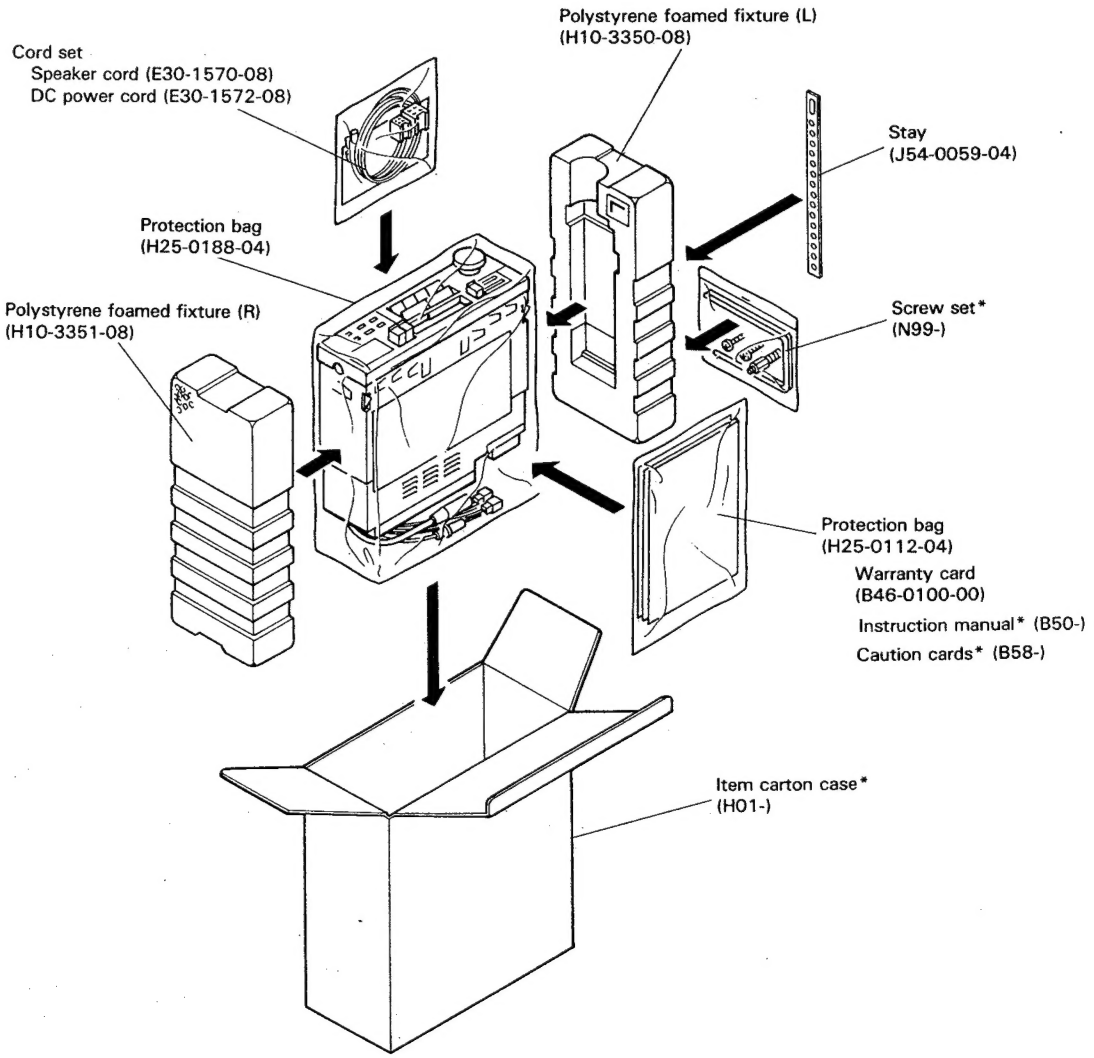
PACKING



SPECIFICATIONS

FM Tuner Section

Frequency Range .....87.5 ~ 108.0 MHz
Usable Sensitivity (DIN).....1.6 μV/75 ohms
Stereo Sensitivity (S/N = 46 dB) .....2.8 μV/75 ohms
Frequency Response (±4.5 dB) .....30 ~ 15,000 Hz
Signal to Noise Ratio (IEC-A) .....68 dB
Selectivity (DIN).....65 dB
Stereo Separation (1 kHz) .....35 dB
19 kHz Carrier Leakage .....50 dB

MW Tuner Section

MW Frequency Range .....531 ~ 1,602 kHz
MW Usable Sensitivity.....30 μV

LW Tuner Section

LW Frequency Range .....153 ~ 281 kHz
LW Usable Sensitivity.....60 μV

Cassette Deck Section

Tape Speed .....4.76 cm/s
Wow and Flutter (WRMS) .....0.12% (WRMS)
Wow and Flutter (DIN) .....0.2% (W-PEAK)
Fast Winding Time (C-60) .....110 sec
Frequency Response
(120 μs) .....40 Hz ~ 14 kHz (+4 dB, −6 dB)
(70 μs) .....40 Hz ~ 16 kHz (+4 dB, −6 dB)
Stereo Separation (1 kHz) .....37 dB
Signal to Noise Ratio (IEC-A) .....51 dB

Audio Section

Maximum Output Power (1 kHz, 4 ohms) .....20 W + 20 W
Rated Output Power
(10% THD, 1 kHz, 4 ohms) .....15 W + 15 W
(1% THD, 20 Hz ~ 30 kHz, 4 ohms) .....10 W + 10 W

General

Operating Voltage (GND) .....14.4 V (11 ~ 16 V)
Current Consumption .....4.5 A at Rated Power
KRC-343D/KRC-343L
Dimensions (W × H × D) .....188 × 58 × 165 mm
(7-3/8 × 2-5/16 × 6-1/2 in.)
Installation Size (W × H × D) .....180 × 50 × 153 mm
(7-1/16 × 1-15/16 × 6 in.)
Weight.....1.7 kg (3.7 lb)
KRC-343LX
Dimensions (W × H × D) .....188 × 58 × 170 mm
(7-3/8 × 2-5/16 × 6-11/16 in.)
Installation Size (W × H × D) .....180 × 52 × 155 mm
(7-1/16 × 2-1/16 × 6-1/8 in.)
Weight.....2.0 kg (4.4 lb)

Kenwood follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

Kenwood poursuit une politique de progrès constants en ce qui concerne le développement. Pour cette raison, les spécifications sont sujettes à modifications sans préavis.

Kenwood strebt ständige, Verbesserungen in der Entwicklung an. Daher bleiben Änderungen der technischen Daten jederzeit vorbehalten.

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